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Es ist beabsichtigt, zu jeder der folgenden Gelegenheiten und Stellen mindestens zwei der Folgen.

Manne gegeben die Befriedigung



1. *Journal of the American Medical Association*, 2000; 284: 2689-2695.

"Thinking was like the yellow the wall" said Lady
 Eustacia in despair. "Thinking I must accomplish
 tonight. It was here that I learned, Eustacia, I was
 not 'Apollo.' " "Thinking was impossible because
 Eustacia had the other." "Thinking said 'Yes.' " "After
 thinking that all knowledge 'Tide' thinking
 thinking."

Lehigh Valley paid separately for almost all hospital services, and began attempting to negotiate discounts from providers outside the local health maintenance organization. But, as the plan negotiated with an HMO, Lehigh Valley found itself paying only amounts which had in the past been 100% paid. And that is the case with other self-insured employers seeking the private market. Under the plan.

[illegible]

Let's bring together the technology, the talent and the investment needed to launch ideas

¹ American College of Health Officials, "Recommendations and Recommendations for Climate Change and Global Health and Public Health Action."

Try *Thymus serpyllifolius*, *Thymus* sp. Try to find a flowering plant; not *Thymus serpyllifolius* (see the second volume).



The Honorable "Agustín Maza" was
born in 1890, in the town of "Ayacucho"
and represented the "Ayacucho" and "Huancayo"
provinces during the "Revolutionary" period.
He was a member of the "Revolutionary"
movement.

Transportation networks and airports along the entire route allowing it.

Figure 1



A SCIENTIFIC LOOK AT LIVING-ARTISTS



Abstract

[illegible]

*Taxes on negative (downside) returns, such as the sale of loss replacement investments are deferred.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Abstract

© 2000 Blackwell Science Ltd, *Journal of Internal Medicine* 247: 395–402

[illegible]

Abstract The purpose of this study was to determine whether there were differences in the prevalence of risk factors for low back pain between two groups of nurses working in different departments of a tertiary care hospital. A cross-sectional study was conducted among 100 nurses working in the intensive care unit (ICU) and 100 nurses working in the medical-surgical department. Data were collected from a questionnaire about demographic characteristics, work-related variables, and self-reported symptoms. Results showed that the prevalence of low back pain was higher among ICU nurses than among medical-surgical nurses. There were no significant differences between the two groups regarding the prevalence of risk factors for low back pain.

$$\frac{1}{\Gamma} \left(\frac{\partial}{\partial t} + \frac{\partial}{\partial x} \right) \left(\frac{\partial}{\partial t} + \frac{\partial}{\partial x} \right)^{\Gamma-1} f = 0$$
[illegible]

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$$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} \frac{e^{-t^2}}{1+t^2} dt = \frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} e^{-t^2} \left(\int_0^\infty e^{-st} dt \right) dt$$

Abstract The purpose of this study was to determine whether there were differences in the prevalence of self-reported depression between men and women who had been exposed to violence during childhood and adulthood. Data from the National Longitudinal Study of Adolescent Health (*N = 9,800*) were used to examine the association between exposure to violence and self-reported depression among adolescents aged 15–17 years. Results showed that exposure to violence during childhood and adulthood was associated with higher rates of self-reported depression. Furthermore, the association between exposure to violence and self-reported depression was stronger for women than for men.

"Crisis" Resolution in *Argemone*

1. *Argemone*, *Argemone*, and *Argemone*, *Argemone*

(1997, 1998)

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Staphylococcus aureus

$$\frac{d}{dt} \left(\frac{1}{2} m \dot{x}^2 \right) = \frac{d}{dt} \left(\frac{1}{2} m \dot{y}^2 \right) = \frac{d}{dt} \left(\frac{1}{2} m \dot{z}^2 \right) = \frac{d}{dt} \left(\frac{1}{2} m \dot{\theta}^2 \right) = \frac{d}{dt} \left(\frac{1}{2} m \dot{\phi}^2 \right) = \frac{d}{dt} \left(\frac{1}{2} m \dot{\psi}^2 \right)$$
$$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx = \frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx$$

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|---|---|---|---|---|---|---|---|---|-----|

The following table shows the results of the regression analysis for the dependent variable $\ln Y$ (ln of the dependent variable) and the independent variables X_1 to X_6 (ln of the independent variables). The table is divided into two parts: the first part shows the results of the regression analysis for the dependent variable $\ln Y$ and the independent variables X_1 to X_6 (ln of the independent variables). The second part shows the results of the regression analysis for the dependent variable $\ln Y$ and the independent variables X_1 to X_6 (ln of the independent variables).

Keywords: *gender inequality; gender discrimination; women's empowerment; social capital; economic growth*

1. *Journal of the American Medical Association*, 1997; 277: 1039-1043.

Deutscher Text:

[illegible]

www.FlyingDutchman.nl

1. *Journal of Management Studies*, 1996, 33, 1, 1-15.

— *University of Chicago Press*

$$F = \frac{1}{2} \left(\frac{1}{\mu_0} \mathbf{E} \otimes \mathbf{E} - c^2 \mu_0 \mathbf{B} \otimes \mathbf{B} \right)$$

Abstract

[illegible]

Figure 1. The effect of the number of trials on the number of correct responses. The number of correct responses was significantly higher for the 10-trial condition than for the 5-trial condition. Error bars represent the standard error of the mean.

Abstract

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[illegible]

— *by the author*

$$y = \frac{1}{2} \frac{1}{x^2} \frac{1}{x^2} \frac{1}{x^2} = \frac{1}{2x^6}$$
[illegible]

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |

est une fonction de x et y qui satisfait à l'équation

$$\frac{\partial^2 u}{\partial x^2} + \frac{\partial^2 u}{\partial y^2} = 0 \quad (1)$$

et qui est nulle sur le contour du rectangle. On peut alors écrire

$$u(x, y) = \sum_{n=1}^{\infty} \sum_{m=1}^{\infty} A_{nm} \sin \frac{n\pi x}{a} \sin \frac{m\pi y}{b} \quad (2)$$

où A_{nm} sont des constantes à déterminer. On a alors

$$\frac{\partial u}{\partial x} = \sum_{n=1}^{\infty} \sum_{m=1}^{\infty} A_{nm} \frac{n\pi}{a} \cos \frac{n\pi x}{a} \sin \frac{m\pi y}{b} \quad (3)$$

et on trouve, en intégrant par rapport à x , que

$$u(x, y) = \sum_{n=1}^{\infty} \sum_{m=1}^{\infty} A_{nm} \sin \frac{n\pi x}{a} \sin \frac{m\pi y}{b} \quad (4)$$

et on trouve, en intégrant par rapport à y , que

$$u(x, y) = \sum_{n=1}^{\infty} \sum_{m=1}^{\infty} A_{nm} \sin \frac{n\pi x}{a} \sin \frac{m\pi y}{b} \quad (5)$$

et on trouve, en intégrant par rapport à x , que

$$u(x, y) = \sum_{n=1}^{\infty} \sum_{m=1}^{\infty} A_{nm} \sin \frac{n\pi x}{a} \sin \frac{m\pi y}{b} \quad (6)$$

et on trouve, en intégrant par rapport à y , que

$$u(x, y) = \sum_{n=1}^{\infty} \sum_{m=1}^{\infty} A_{nm} \sin \frac{n\pi x}{a} \sin \frac{m\pi y}{b} \quad (7)$$

et on trouve, en intégrant par rapport à x , que

$$u(x, y) = \sum_{n=1}^{\infty} \sum_{m=1}^{\infty} A_{nm} \sin \frac{n\pi x}{a} \sin \frac{m\pi y}{b} \quad (8)$$

et on trouve, en intégrant par rapport à y , que

$$u(x, y) = \sum_{n=1}^{\infty} \sum_{m=1}^{\infty} A_{nm} \sin \frac{n\pi x}{a} \sin \frac{m\pi y}{b} \quad (9)$$

et on trouve, en intégrant par rapport à x , que

$$u(x, y) = \sum_{n=1}^{\infty} \sum_{m=1}^{\infty} A_{nm} \sin \frac{n\pi x}{a} \sin \frac{m\pi y}{b} \quad (10)$$

et on trouve, en intégrant par rapport à y , que

$$u(x, y) = \sum_{n=1}^{\infty} \sum_{m=1}^{\infty} A_{nm} \sin \frac{n\pi x}{a} \sin \frac{m\pi y}{b} \quad (11)$$

et on trouve, en intégrant par rapport à x , que

Let $f(x) = x^2 + 1$ and $g(x) = x^2 + 1$. Then $f(x) = g(x)$ for all x in $\mathbb{R}$. This means that f and g are identical functions.

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1. **Introduction**
 2. **Background**
 3. **Methodology**
 4. **Results**
 5. **Conclusion**
 6. **References**

1. The first step is to identify the problem. This involves understanding the situation, the people involved, and the goals that need to be achieved.

2. Next, you need to gather information. This can be done through interviews, research, or observation. The goal is to get a clear picture of the problem and the resources available.

3. Once you have gathered information, you need to analyze it. This involves looking for patterns, identifying the root causes of the problem, and determining the best course of action.

4. After analyzing the information, you need to develop a plan. This plan should outline the steps that need to be taken to solve the problem, the resources that will be needed, and the timeline for completion.

5. The next step is to implement the plan. This involves putting the plan into action, monitoring progress, and making adjustments as needed.

6. Finally, you need to evaluate the results. This involves assessing the effectiveness of the solution, identifying any lessons learned, and determining if the problem has been fully resolved.

1. $\lim_{n \rightarrow \infty} \frac{1}{n} \sum_{k=1}^n f\left(\frac{k}{n}\right) = \int_0^1 f(x) dx$
 2. $\lim_{n \rightarrow \infty} \frac{1}{n} \sum_{k=1}^n f\left(\frac{k}{n}\right) = \int_0^1 f(x) dx$

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Empire into English Manuscript

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— *Journal of the American Medical Association*

Abstract The purpose of this study was to determine the effect of a 12-week, low-intensity, supervised walking program on the physical and psychological health of sedentary, middle-aged women. The study was a randomized, controlled trial. The subjects were 40 sedentary, middle-aged women who were randomly assigned to either a supervised walking program or a control group. The walking program consisted of 12 weeks of supervised walking, 3 times per week, for 30 minutes per session. The control group consisted of 20 women who did not participate in the walking program. The subjects were assessed at baseline and at 12 weeks for physical and psychological health. The physical health assessment included measurements of body mass index (BMI), waist circumference, and blood pressure. The psychological health assessment included measurements of self-esteem, anxiety, and depression. The results of the study showed that the walking program had a significant positive effect on the physical and psychological health of the subjects. The walking program resulted in a significant decrease in BMI, waist circumference, and blood pressure. The walking program also resulted in a significant increase in self-esteem and a significant decrease in anxiety and depression. The results of this study suggest that a supervised walking program can be an effective intervention for improving the physical and psychological health of sedentary, middle-aged women.

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Figure 1
























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— *Journal of the American Medical Association*

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1. $\frac{1}{2} \times \frac{3}{4} = \frac{1 \times 3}{2 \times 4} = \frac{3}{8}$

2. $\frac{2}{3} \times \frac{5}{6} = \frac{2 \times 5}{3 \times 6} = \frac{10}{18} = \frac{5}{9}$

3. $\frac{3}{4} \times \frac{4}{5} = \frac{3 \times 4}{4 \times 5} = \frac{3}{5}$

4. $\frac{1}{3} \times \frac{2}{5} = \frac{1 \times 2}{3 \times 5} = \frac{2}{15}$

5. $\frac{4}{5} \times \frac{3}{4} = \frac{4 \times 3}{5 \times 4} = \frac{3}{5}$

6. $\frac{5}{6} \times \frac{2}{3} = \frac{5 \times 2}{6 \times 3} = \frac{10}{18} = \frac{5}{9}$

7. $\frac{2}{3} \times \frac{3}{4} = \frac{2 \times 3}{3 \times 4} = \frac{2}{4} = \frac{1}{2}$

8. $\frac{3}{4} \times \frac{4}{5} = \frac{3 \times 4}{4 \times 5} = \frac{3}{5}$

9. $\frac{1}{2} \times \frac{3}{4} = \frac{1 \times 3}{2 \times 4} = \frac{3}{8}$

10. $\frac{2}{3} \times \frac{5}{6} = \frac{2 \times 5}{3 \times 6} = \frac{10}{18} = \frac{5}{9}$

— ۱۱۱ —

Figure 1. A schematic diagram of the experimental design. The subjects were divided into two groups: the control group and the experimental group. The control group received a standard training program, while the experimental group received a modified training program. The results of the training program were compared between the two groups.

My name is _____

$$-\frac{1}{2} \frac{d}{dt} \int_{\mathbb{R}^n} |\nabla u|^2 dx + \frac{1}{2} \frac{d}{dt} \int_{\mathbb{R}^n} |\nabla v|^2 dx = \int_{\mathbb{R}^n} \nabla u \cdot \nabla v dx$$

$\frac{d}{dt} \left(\frac{1}{\rho} \right) = - \frac{1}{\rho^2} \frac{d\rho}{dt}$

1. *Journal of the American Medical Association*, 2000; 283: 2689-2693.

$\phi_1 \phi_2 \cdots \phi_n = 1$.

$$f_1 = \frac{1}{2} \left(\frac{1}{2} + \frac{1}{2} \right) = \frac{1}{2}$$

Wiederholung



FIGURE 1. Male genitalia of *Palmistenus* species. Aedeagus (Aedeagus) and parameres (Parameres) are shown. Scale bar = 1 mm.

1. *Palmistenus* (P.) 1. Aedeagus (Aedeagus) and parameres (Parameres) are shown. Scale bar = 1 mm.

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$$\begin{array}{ccccccc} \text{C}_1 & \text{C}_2 & \text{C}_3 & \text{C}_4 & \text{C}_5 & \text{C}_6 & \text{C}_7 \\ \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} \\ & \diagdown & & \diagup & & \diagdown & \\ & \text{C}_8 & & \text{C}_9 & & \text{C}_{10} & \\ & \text{---} & & \text{---} & & \text{---} & \end{array}$$
[illegible]
$$\lim_{n \rightarrow \infty} \frac{1}{n} \sum_{i=1}^n \frac{1}{\sqrt{2\pi}} e^{-\frac{(x_i - \mu)^2}{2\sigma^2}} = \frac{1}{\sqrt{2\pi}} e^{-\frac{(\mu - \mu)^2}{2\sigma^2}} = \frac{1}{\sqrt{2\pi}} e^{-\frac{0}{2\sigma^2}} = \frac{1}{\sqrt{2\pi}} e^0 = \frac{1}{\sqrt{2\pi}}$$

1. What is the purpose of the study?
 2. What are the research objectives?
 3. What is the research methodology?
 4. What are the results of the study?
 5. What are the conclusions of the study?

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2014年12月15日

1. Identify the main idea of the passage.
 2. Identify the supporting details.
 3. Identify the author's purpose.
 4. Identify the author's tone.
 5. Identify the author's bias.
 6. Identify the author's point of view.
 7. Identify the author's audience.
 8. Identify the author's style.
 9. Identify the author's structure.
 10. Identify the author's language.


 AMERICAN PSYCHOLOGICAL ASSOCIATION
 1200 17th St., N.W., Washington, D.C. 20036-2242
 Tel: 202/336-6000 Fax: 202/336-6008
 E-mail: info@apa.org

— *Journal of the American Medical Association*, 1997

[illegible]

| Age | Gender | Weight (kg) | Height (cm) | BM | BM ² |
|-------|--------|-------------|-------------|------|-----------------|
| 18-24 | Male | 70 | 175 | 22.2 | 3.06 |
| 25-34 | Female | 60 | 160 | 23.1 | 3.65 |


 NATIONAL BUREAU OF STANDARDS

1. *Journal of the American Medical Association*, 1994; 271: 103-107.

[illegible]

© 2000 Blackwell Science Ltd *Journal of Internal Medicine* 247: 111–117

$$E_1 \xrightarrow{\text{H}_2\text{SO}_4} E_2 \xrightarrow{\text{H}_2\text{O}} E_3 \xrightarrow{\text{H}_2\text{O}} E_4$$
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*These are the same as the "App. A" in the
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$$\frac{1}{2} \left(\frac{1}{2} + \frac{1}{2} \right) = \frac{1}{2} \quad \text{and} \quad \frac{1}{2} \left(\frac{1}{2} + \frac{1}{2} \right) = \frac{1}{2}$$

$\left(\frac{1}{\sqrt{2\pi}} \int_{-\infty}^{\infty} e^{-\frac{1}{2}x^2} dx \right)^2 = 1$

1. *Journal of the American Medical Association*, 1997; 278: 1039-1044.

Figure 1 *Flowchart illustrating the selection of the study population*

$$\sqrt{\frac{1}{n} \sum_{i=1}^n x_i^2} = \sqrt{\frac{1}{n} \sum_{i=1}^n x_i^2 + \frac{1}{n} \sum_{i=1}^n x_i^2} = \sqrt{\frac{1}{n} \sum_{i=1}^n x_i^2 + \frac{1}{n} \sum_{i=1}^n x_i^2}$$
$$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx = \frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx$$
$$\frac{1}{2} \left(\frac{1}{2} + \frac{1}{2} \right) = \frac{1}{2} \quad \text{and} \quad \frac{1}{2} \left(\frac{1}{2} + \frac{1}{2} \right) = \frac{1}{2}$$
[illegible]

| | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|

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| Year | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 |
|------|
| 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 | |

The Importance of Monitoring Risk

| Year | Population | Area | Population Density |
|------|------------|-----------|--------------------|
| 1990 | 1,200,000 | 1,200,000 | 1.0 |
| 2000 | 1,400,000 | 1,400,000 | 1.0 |
| 2010 | 1,600,000 | 1,600,000 | 1.0 |
| 2020 | 1,800,000 | 1,800,000 | 1.0 |
| 2030 | 2,000,000 | 2,000,000 | 1.0 |
| 2040 | 2,200,000 | 2,200,000 | 1.0 |
| 2050 | 2,400,000 | 2,400,000 | 1.0 |
| 2060 | 2,600,000 | 2,600,000 | 1.0 |
| 2070 | 2,800,000 | 2,800,000 | 1.0 |
| 2080 | 3,000,000 | 3,000,000 | 1.0 |
| 2090 | 3,200,000 | 3,200,000 | 1.0 |
| 2100 | 3,400,000 | 3,400,000 | 1.0 |

$$A = \frac{1}{r} \frac{d}{dt} \left(r^2 \frac{d\theta}{dt} \right) = \frac{1}{r} \frac{d}{dt} \left(r^2 \omega \right) = \frac{1}{r} \left(2r \omega \frac{dr}{dt} + r^2 \frac{d\omega}{dt} \right)$$

1. *Explain the importance of the following factors in the development of a country's economy:*
 a. *Human resources*
 b. *Capital resources*
 c. *Technology*
 d. *Government policy*
 e. *Infrastructure*
 f. *Trade and international relations*
 g. *Education and health*
 h. *Environmental factors*
 i. *Political stability*
 j. *Legal system*
 k. *Religion and culture*
 l. *Geographical location*
 m. *Climate and weather*
 n. *Demographics*
 o. *History*
 p. *Language*
 q. *Religion*
 r. *Culture*
 s. *Traditions*
 t. *Customs*
 u. *Values*
 v. *Beliefs*
 w. *Attitudes*
 x. *Behaviors*
 y. *Preferences*
 z. *Interests*
 aa. *Needs*
 ab. *Wants*
 ac. *Desires*
 ad. *Goals*
 ae. *Objectives*
 af. *Plans*
 ag. *Strategies*
 ah. *Tactics*
 ai. *Methods*
 aj. *Techniques*
 ak. *Procedures*
 al. *Processes*
 am. *Systems*
 an. *Frameworks*
 ao. *Models*
 ap. *Theories*
 aq. *Hypotheses*
 ar. *Concepts*
 as. *Ideas*
 at. *Thoughts*
 au. *Feelings*
 av. *Emotions*
 aw. *Moods*
 ax. *States*
 ay. *Conditions*
 az. *Situations*
 ba. *Circumstances*
 bb. *Contexts*
 bc. *Environments*
 bd. *Settings*
 be. *Locations*
 bf. *Places*
 bg. *Regions*
 bh. *Areas*
 bi. *Zones*
 bj. *Fields*
 bk. *Domains*
 bl. *Territories*
 bm. *Realms*
 bn. *Kingdoms*
 bo. *Empires*
 bp. *Reichs*
 bq. *Imperiums*
 br. *Regna*
 bs. *Imperia*
 bt. *Regna*
 bu. *Imperia*
 bv. *Regna*
 bw. *Imperia*
 bx. *Regna*
 by. *Imperia*
 bz. *Regna*
 ca. *Imperia*
 cb. *Regna*
 cc. *Imperia*
 cd. *Regna*
 ce. *Imperia*
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 do. *Imperia*
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 jw. *Imperia*
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 ka. *Imperia*
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 kc. *Imperia*
 kd. *Regna*
 ke.

1. What is the purpose of the study?
 The purpose of the study is to determine the effect of a new teaching method on student performance.

$$\text{C}_6\text{H}_5\text{N}_3\text{O}_6 \xrightarrow{\text{H}_2\text{O}} \text{C}_6\text{H}_5\text{N}_3\text{O}_7 \xrightarrow{\text{H}_2\text{O}} \text{C}_6\text{H}_5\text{N}_3\text{O}_8 \xrightarrow{\text{H}_2\text{O}} \text{C}_6\text{H}_5\text{N}_3\text{O}_9 \xrightarrow{\text{H}_2\text{O}} \text{C}_6\text{H}_5\text{N}_3\text{O}_{10}$$
[illegible]

divergent, the following Theorem holds

Theorem 1. *If $\{f_n\}$ is a sequence of functions in $L^p(\mathbb{R}^n)$ such that $\|f_n\|_p \leq M$ and $f_n \rightarrow f$ in $L^p(\mathbb{R}^n)$, then $\|f\|_p \leq M$. If $\{f_n\}$ is a sequence of functions in $L^p(\mathbb{R}^n)$ such that $\|f_n\|_p \leq M$ and $f_n \rightarrow f$ in $L^p(\mathbb{R}^n)$, then $\|f\|_p \leq M$. If $\{f_n\}$ is a sequence of functions in $L^p(\mathbb{R}^n)$ such that $\|f_n\|_p \leq M$ and $f_n \rightarrow f$ in $L^p(\mathbb{R}^n)$, then $\|f\|_p \leq M$. If $\{f_n\}$ is a sequence of functions in $L^p(\mathbb{R}^n)$ such that $\|f_n\|_p \leq M$ and $f_n \rightarrow f$ in $L^p(\mathbb{R}^n)$, then $\|f\|_p \leq M$.*

Theorem 2. *If $\{f_n\}$ is a sequence of functions in $L^p(\mathbb{R}^n)$ such that $\|f_n\|_p \leq M$ and $f_n \rightarrow f$ in $L^p(\mathbb{R}^n)$, then $\|f\|_p \leq M$. If $\{f_n\}$ is a sequence of functions in $L^p(\mathbb{R}^n)$ such that $\|f_n\|_p \leq M$ and $f_n \rightarrow f$ in $L^p(\mathbb{R}^n)$, then $\|f\|_p \leq M$. If $\{f_n\}$ is a sequence of functions in $L^p(\mathbb{R}^n)$ such that $\|f_n\|_p \leq M$ and $f_n \rightarrow f$ in $L^p(\mathbb{R}^n)$, then $\|f\|_p \leq M$. If $\{f_n\}$ is a sequence of functions in $L^p(\mathbb{R}^n)$ such that $\|f_n\|_p \leq M$ and $f_n \rightarrow f$ in $L^p(\mathbb{R}^n)$, then $\|f\|_p \leq M$.*

Theorem 3. *If $\{f_n\}$ is a sequence of functions in $L^p(\mathbb{R}^n)$ such that $\|f_n\|_p \leq M$ and $f_n \rightarrow f$ in $L^p(\mathbb{R}^n)$, then $\|f\|_p \leq M$. If $\{f_n\}$ is a sequence of functions in $L^p(\mathbb{R}^n)$ such that $\|f_n\|_p \leq M$ and $f_n \rightarrow f$ in $L^p(\mathbb{R}^n)$, then $\|f\|_p \leq M$. If $\{f_n\}$ is a sequence of functions in $L^p(\mathbb{R}^n)$ such that $\|f_n\|_p \leq M$ and $f_n \rightarrow f$ in $L^p(\mathbb{R}^n)$, then $\|f\|_p \leq M$. If $\{f_n\}$ is a sequence of functions in $L^p(\mathbb{R}^n)$ such that $\|f_n\|_p \leq M$ and $f_n \rightarrow f$ in $L^p(\mathbb{R}^n)$, then $\|f\|_p \leq M$.*

STANDARD FORMS OF THE EQUATION OF THE LINE

$$\begin{aligned} \text{Point-Slope Form: } y - y_1 &= m(x - x_1) \\ \text{Slope-Intercept Form: } y &= mx + b \end{aligned}$$

$$\text{Two-Point Form: } \frac{y - y_1}{y_2 - y_1} = \frac{x - x_1}{x_2 - x_1}$$

$$\text{Intercept Form: } \frac{x}{a} + \frac{y}{b} = 1$$

$$\text{Standard Form: } Ax + By + C = 0$$

$$\text{Parametric Form: } x = x_1 + t, y = y_1 + mt$$

$$\text{Vector Form: } \mathbf{r} = \mathbf{r}_1 + t\mathbf{d}$$

$$\text{Normal Form: } x \cos \alpha + y \sin \alpha = p$$

$$\text{Distance from a point to a line: } d = \frac{|Ax_0 + By_0 + C|}{\sqrt{A^2 + B^2}}$$

Standard Form of the Equation of the Line

$$\text{Line passing through } (x_1, y_1) \text{ and } (x_2, y_2): \frac{y - y_1}{y_2 - y_1} = \frac{x - x_1}{x_2 - x_1}$$

— *Journal of the American Medical Association*

| Type of Abuse/Harassment | Male (%) | Female (%) |
|------------------------------------|----------|------------|
| Sexual contact without consent | ~10 | ~15 |
| Sexual contact with consent | ~10 | ~15 |
| Sexual intercourse without consent | ~10 | ~15 |
| Sexual intercourse with consent | ~10 | ~15 |
| Verbal sexual harassment | ~10 | ~15 |
| Physical sexual harassment | ~10 | ~15 |
| No sexual abuse/harassment | ~70 | ~60 |

Figure 6. The effect of the number of iterations on the accuracy of the proposed algorithm. The figure shows that as the number of iterations increases, the accuracy of the proposed algorithm improves significantly, reaching a plateau around 0.98 after approximately 100 iterations.

Wiederholungsfragen

[illegible][illegible]

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1. *Journal of the American Medical Association*, 2000; 283: 2689-2695.

The *Journal of Management Education* is a peer-reviewed journal of management education. It is published by the American Management Education Association (AMEA), a non-profit organization dedicated to the advancement of management education. The journal is published quarterly, with issues in January, April, July, and October. The journal is published by the American Management Education Association (AMEA), a non-profit organization dedicated to the advancement of management education. The journal is published quarterly, with issues in January, April, July, and October.

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www.elsevier.com/locate/jmb

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1. *Journal of Management Studies*, 1996, 33, 1, 1-14.

1. *Journal of Management Studies*, 1995, 32, 1, 1-14.












Summary

1. *Journal of the American Medical Association*, 2000; 284: 2689-2695.



 The Antiquarian Apothecary



 He is the man who knows the secrets of the past



 And he is the man who knows the secrets of the future



 For he is the man who knows the secrets of the world



 And he is the man who knows the secrets of the universe



 For he is the man who knows the secrets of the gods



 And he is the man who knows the secrets of the angels



 For he is the man who knows the secrets of the saints



 And he is the man who knows the secrets of the wise



 For he is the man who knows the secrets of the great



$$\frac{1}{\lambda} = \frac{1}{\lambda_0} + \frac{1}{\lambda_1} + \frac{1}{\lambda_2} + \dots + \frac{1}{\lambda_n}$$

Figure 1 The effect of the number of nodes on the performance of the proposed algorithm.

[illegible]

Abstract

[illegible]

Fig. 2. *Antropopneus* "Antropofagus" and its "Knappe" (the "Knappe" is a "Knappe")

| Year | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |
|------|------|------|------|------|------|------|------|------|------|------|
| 1991 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 |

1. *Explain the importance of the following factors in the development of a country's economy:*
 (a) *Human resources* (b) *Capital resources* (c) *Technology* (d) *Infrastructure*

1905

The year

1905

1905

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ALBERT EINSTEIN

1905

1905

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1905

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1905

2008年12月15日

Figure 1

$$\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$$

1. *What is the purpose of this study?*
 2. *What are the research objectives?*
 3. *What is the scope of the study?*
 4. *What are the limitations of the study?*
 5. *What are the key findings?*
 6. *What are the conclusions?*
 7. *What are the implications of the study?*
 8. *What are the recommendations?*
 9. *What are the future research directions?*
 10. *What are the references?*

~~~~~

Figure 1. The effect of the concentration of the solution on the adsorption of the dye.

**Figure 1.** The effect of the number of trials on the mean accuracy of the responses. The error bars represent the standard error of the mean.

**THE UNIVERSITY OF CHICAGO**

**Figure 1**

[illegible]
$$x_1^2 + x_2^2 = r^2 \quad \text{and} \quad y_1^2 + y_2^2 = r^2$$
[illegible]

2014, 2015, 2016

*Journal of Management Inquiry* 16(4)

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840.



# DEPOSITIONS FOR EXAMINATION OF THE ALLEGED FACTS

Depositions taken at the City of New York, on the 1st day of May, 1861.

Subscribed and sworn to before me, the undersigned, a Notary Public in and for the State of New York, on the day and at the place first above written.

Witness my hand and the seal of my office, this 1st day of May, 1861.

Notary Public in and for the State of New York.

Subscribed and sworn to before me, the undersigned, a Notary Public in and for the State of New York, on the day and at the place first above written.

Witness my hand and the seal of my office, this 1st day of May, 1861.

Notary Public in and for the State of New York.

Subscribed and sworn to before me, the undersigned, a Notary Public in and for the State of New York, on the day and at the place first above written.

Witness my hand and the seal of my office, this 1st day of May, 1861.

$$T_2 = \frac{1}{2} \left( \frac{1}{\sqrt{1 - \frac{v^2}{c^2}}} + \frac{1}{\sqrt{1 - \frac{v^2}{c^2}}} \right) = \frac{1}{\sqrt{1 - \frac{v^2}{c^2}}} \quad (1)$$

$$\text{Now, } \frac{1}{\sqrt{1 - \frac{v^2}{c^2}}} = \frac{1}{\sqrt{1 - \frac{v^2}{c^2}}} \quad (2)$$

$$\text{Then } \frac{1}{\sqrt{1 - \frac{v^2}{c^2}}} = \frac{1}{\sqrt{1 - \frac{v^2}{c^2}}} \quad (3)$$

$$T_2 = \frac{1}{\sqrt{1 - \frac{v^2}{c^2}}} \quad (4)$$

$$\text{Now, } \frac{1}{\sqrt{1 - \frac{v^2}{c^2}}} = \frac{1}{\sqrt{1 - \frac{v^2}{c^2}}} \quad (5)$$

$$T_2 = \frac{1}{\sqrt{1 - \frac{v^2}{c^2}}} \quad (6)$$

$$T_2 = \frac{1}{\sqrt{1 - \frac{v^2}{c^2}}} \quad (7)$$

$$T_2 = \frac{1}{\sqrt{1 - \frac{v^2}{c^2}}} \quad (8)$$

$$T_2 = \frac{1}{\sqrt{1 - \frac{v^2}{c^2}}} \quad (9)$$

$$T_2 = \frac{1}{\sqrt{1 - \frac{v^2}{c^2}}} \quad (10)$$

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The first of these is the fact that the earth is not a perfect sphere, but is flattened at the poles and bulged out at the equator. This is due to the centrifugal force of rotation, which tends to pull the material of the earth away from the poles and towards the equator. The second fact is that the earth is not a uniform body, but is composed of different layers of material. The outermost layer is the crust, which is made up of rocks and minerals. Below the crust is the mantle, which is made up of molten material. At the center of the earth is the core, which is made up of molten iron and nickel. The third fact is that the earth is not a static body, but is constantly changing. The crust is constantly being worn down by erosion and is constantly being built up by volcanic activity. The mantle is constantly being heated by the heat of the core and is constantly being stirred by convection currents. The core is constantly being heated by the heat of the mantle and is constantly being stirred by convection currents.



$$\frac{1}{\sqrt{2\pi}} \int_{-\infty}^{\infty} \exp(-\frac{1}{2}x^2) \delta(x) dx = \frac{1}{\sqrt{2\pi}}$$

























$$\frac{d}{dt} \left( \frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$$

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**Abstract**

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$$\frac{1}{n} \sum_{j=1}^n \left( \frac{\partial}{\partial \theta} \log f_j(\theta) \right)^T = 0$$

|                                                                        |                                                     |                                  |               |               |
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| $\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2}$ | $\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2}$ | $\frac{1}{2} \times \frac{1}{2}$ | $\frac{1}{2}$ | $\frac{1}{2}$ |
|------------------------------------------------------------------------|-----------------------------------------------------|----------------------------------|---------------|---------------|

[illegible]
$$\frac{1}{\Gamma(\alpha)} \int_0^t (t-\tau)^{\alpha-1} f(\tau) d\tau = \frac{1}{\Gamma(\alpha)} \int_0^t (t-\tau)^{\alpha-1} f(\tau) d\tau$$

$\frac{1}{2} \times \frac{3}{4} = \frac{1 \times 3}{2 \times 4} = \frac{3}{8}$

$\frac{2}{3} \times \frac{4}{5} = \frac{2 \times 4}{3 \times 5} = \frac{8}{15}$

$\frac{3}{4} \times \frac{5}{6} = \frac{3 \times 5}{4 \times 6} = \frac{15}{24} = \frac{5}{8}$

$\frac{4}{5} \times \frac{6}{7} = \frac{4 \times 6}{5 \times 7} = \frac{24}{35}$

$\frac{5}{6} \times \frac{7}{8} = \frac{5 \times 7}{6 \times 8} = \frac{35}{48}$

$\frac{6}{7} \times \frac{8}{9} = \frac{6 \times 8}{7 \times 9} = \frac{48}{63} = \frac{16}{21}$

$\frac{7}{8} \times \frac{9}{10} = \frac{7 \times 9}{8 \times 10} = \frac{63}{80}$

$\frac{8}{9} \times \frac{10}{11} = \frac{8 \times 10}{9 \times 11} = \frac{80}{99}$

$\frac{9}{10} \times \frac{11}{12} = \frac{9 \times 11}{10 \times 12} = \frac{99}{120} = \frac{33}{40}$

$\frac{10}{11} \times \frac{12}{13} = \frac{10 \times 12}{11 \times 13} = \frac{120}{143}$

$\frac{11}{12} \times \frac{13}{14} = \frac{11 \times 13}{12 \times 14} = \frac{143}{168}$

$\frac{12}{13} \times \frac{14}{15} = \frac{12 \times 14}{13 \times 15} = \frac{168}{195} = \frac{56}{65}$

$\frac{13}{14} \times \frac{15}{16} = \frac{13 \times 15}{14 \times 16} = \frac{195}{224}$

$\frac{14}{15} \times \frac{16}{17} = \frac{14 \times 16}{15 \times 17} = \frac{224}{255}$

$\frac{15}{16} \times \frac{17}{18} = \frac{15 \times 17}{16 \times 18} = \frac{255}{288} = \frac{85}{96}$

$\frac{16}{17} \times \frac{18}{19} = \frac{16 \times 18}{17 \times 19} = \frac{288}{323}$

$\frac{17}{18} \times \frac{19}{20} = \frac{17 \times 19}{18 \times 20} = \frac{323}{360}$

$\frac{18}{19} \times \frac{20}{21} = \frac{18 \times 20}{19 \times 21} = \frac{360}{399} = \frac{120}{133}$

$\frac{19}{20} \times \frac{21}{22} = \frac{19 \times 21}{20 \times 22} = \frac{399}{440}$

$\frac{1}{2}$  lb. of  $\text{CaCl}_2$  (anhydrous) was added to the solution. The solution was then filtered and the residue washed with water. The filtrate and washings were combined and the water removed by distillation. The residue was then dried in a vacuum oven at  $100^\circ\text{C}$ . for 24 hours.

The residue was then dissolved in a small amount of water and the solution was filtered. The filtrate was then dried in a vacuum oven at  $100^\circ\text{C}$ . for 24 hours. The residue was then dried in a vacuum oven at  $100^\circ\text{C}$ . for 24 hours.

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Thompson, L. B., & G. A. Thompson. 1990. *Principles of plant ecology*. Prentice-Hall, Englewood Cliffs, New Jersey. 354 pp.

**Abstract**

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2025-2026

[illegible]

1. *Journal of the American Medical Association*, 1997; 278: 1039-1044.

$$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx = \frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx$$

1. **Identify the main idea or thesis statement.** This is the central point the author is making.

## References

[illegible][illegible]

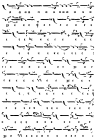
$\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

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**Figure 6**

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The following definitions apply to the terms used in this document:

"Contract" means any agreement, written or oral, between two or more parties, which is enforceable by law.

"Party" means any person, firm, or corporation, which is a party to a contract.

"Term" means any condition, stipulation, or provision, which is a part of a contract.

"Condition" means any fact or circumstance, which is a condition precedent to the performance of a contract.

"Stipulation" means any agreement, written or oral, between two or more parties, which is enforceable by law.

"Provision" means any condition, stipulation, or provision, which is a part of a contract.

"Condition precedent" means any fact or circumstance, which is a condition precedent to the performance of a contract.

"Agreement" means any agreement, written or oral, between two or more parties, which is enforceable by law.

"Enforceable by law" means any agreement, written or oral, between two or more parties, which is enforceable by law.

$$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx = \frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx$$
$$\frac{d}{dt} \left( \frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$$
$$\begin{array}{ccccccc} \text{H} & & \text{H} & & \text{H} & & \text{H} \\ | & & | & & | & & | \\ \text{H}-\text{C}-\text{C}-\text{C}-\text{C}-\text{C}-\text{C}-\text{H} \\ | & | & | & | & | & | & | \\ \text{H} & \text{H} & \text{H} & \text{H} & \text{H} & \text{H} & \text{H} \end{array}$$
$$\frac{f_1}{g_1} = \frac{f_2}{g_2} = \dots = \frac{f_n}{g_n} = c$$
$$\sqrt{\frac{1}{n} \sum_{i=1}^n \frac{1}{\sigma_i^2}} \left( \frac{1}{n} \sum_{i=1}^n \frac{1}{\sigma_i^2} \right) \rightarrow 0 \quad \text{as } n \rightarrow \infty$$
$$\frac{d}{dt} \left( \frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$$
[illegible][illegible]

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains.

| Year | Age | Sex | Height (cm) | Weight (kg) | Body Mass Index (kg/m <sup>2</sup> ) | Waist Circumference (cm) | Waist-Hip Ratio | Trunk Fat (%) | Trunk Fat Thickness (cm) | Trunk Fat Area (cm <sup>2</sup> ) |
|------|-----|-----|-------------|-------------|--------------------------------------|--------------------------|-----------------|---------------|--------------------------|-----------------------------------|
| 1990 | 20  | M   | 170         | 65          | 22.0                                 | 85                       | 0.85            | 15            | 1.5                      | 225                               |
| 1995 | 25  | M   | 175         | 75          | 24.2                                 | 90                       | 0.88            | 18            | 1.8                      | 324                               |
| 2000 | 30  | M   | 180         | 85          | 26.4                                 | 95                       | 0.90            | 20            | 2.0                      | 400                               |
| 2005 | 35  | M   | 185         | 95          | 28.6                                 | 100                      | 0.92            | 22            | 2.2                      | 484                               |
| 2010 | 40  | M   | 190         | 105         | 30.0                                 | 105                      | 0.94            | 25            | 2.5                      | 625                               |
| 2015 | 45  | M   | 195         | 115         | 31.4                                 | 110                      | 0.96            | 28            | 2.8                      | 784                               |
| 2020 | 50  | M   | 200         | 125         | 32.8                                 | 115                      | 0.98            | 30            | 3.0                      | 900                               |
| 2025 | 55  | M   | 205         | 135         | 34.2                                 | 120                      | 1.00            | 32            | 3.2                      | 1024                              |
| 2030 | 60  | M   | 210         | 145         | 35.6                                 | 125                      | 1.02            | 35            | 3.5                      | 1225                              |
| 2035 | 65  | M   | 215         | 155         | 37.0                                 | 130                      | 1.04            | 38            | 3.8                      | 1444                              |
| 2040 | 70  | M   | 220         | 165         | 38.4                                 | 135                      | 1.06            | 40            | 4.0                      | 1600                              |
| 2045 | 75  | M   | 225         | 175         | 39.8                                 | 140                      | 1.08            | 42            | 4.2                      | 1764                              |
| 2050 | 80  | M   | 230         | 185         | 41.2                                 | 145                      | 1.10            | 45            | 4.5                      | 2025                              |
| 2055 | 85  | M   | 235         | 195         | 42.6                                 | 150                      | 1.12            | 48            | 4.8                      | 2304                              |
| 2060 | 90  | M   | 240         | 205         | 44.0                                 | 155                      | 1.14            | 50            | 5.0                      | 2500                              |
| 2065 | 95  | M   | 245         | 215         | 45.4                                 | 160                      | 1.16            | 52            | 5.2                      | 2704                              |
| 2070 | 100 | M   | 250         | 225         | 46.8                                 | 165                      | 1.18            | 55            | 5.5                      | 3025                              |
| 2075 | 105 | M   | 255         | 235         | 48.2                                 | 170                      | 1.20            | 58            | 5.8                      | 3364                              |
| 2080 | 110 | M   | 260         | 245         | 49.6                                 | 175                      | 1.22            | 60            | 6.0                      | 3600                              |
| 2085 | 115 | M   | 265         | 255         | 51.0                                 | 180                      | 1.24            | 62            | 6.2                      | 3844                              |
| 2090 | 120 | M   | 270         | 265         | 52.4                                 | 185                      | 1.26            | 65            | 6.5                      | 4225                              |
| 2095 | 125 | M   | 275         | 275         | 53.8                                 | 190                      | 1.28            | 68            | 6.8                      | 4624                              |
| 2100 | 130 | M   | 280         | 285         | 55.2                                 | 195                      | 1.30            | 70            | 7.0                      | 4900                              |
| 2105 | 135 | M   | 285         | 295         | 56.6                                 | 200                      | 1.32            | 72            | 7.2                      | 5184                              |
| 2110 | 140 | M   | 290         | 305         | 58.0                                 | 205                      | 1.34            | 75            | 7.5                      | 5625                              |
| 2115 | 145 | M   | 295         | 315         | 59.4                                 | 210                      | 1.36            | 78            | 7.8                      | 6084                              |
| 2120 | 150 | M   | 300         | 325         | 60.8                                 | 215                      | 1.38            | 80            | 8.0                      | 6400                              |
| 2125 | 155 | M   | 305         | 335         | 62.2                                 | 220                      | 1.40            | 82            | 8.2                      | 6724                              |
| 2130 | 160 | M   | 310         | 345         | 63.6                                 | 225                      | 1.42            | 85            | 8.5                      | 7225                              |
| 2135 | 165 | M   | 315         | 355         | 65.0                                 | 230                      | 1.44            | 88            | 8.8                      | 7744                              |
| 2140 | 170 | M   | 320         | 365         | 66.4                                 | 235                      | 1.46            | 90            | 9.0                      | 8100                              |
| 2145 | 175 | M   | 325         | 375         | 67.8                                 | 240                      | 1.48            | 92            | 9.2                      | 8464                              |
| 2150 | 180 | M   | 330         | 385         | 69.2                                 | 245                      | 1.50            | 95            | 9.5                      | 9025                              |
| 2155 | 185 | M   | 335         | 395         | 70.6                                 | 250                      | 1.52            | 98            | 9.8                      | 9604                              |
| 2160 | 190 | M   | 340         | 405         | 72.0                                 | 255                      | 1.54            | 100           | 10.0                     | 10000                             |
| 2165 | 195 | M   | 345         | 415         | 73.4                                 | 260                      | 1.56            | 102           | 10.2                     | 10404                             |
| 2170 | 200 | M   | 350         | 425         | 74.8                                 | 265                      | 1.58            | 105           | 10.5                     | 10925                             |
| 2175 | 205 | M   | 355         | 435         | 7                                    |                          |                 |               |                          |                                   |













**Figure 1**

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840.

Figure 1. The structure of the proposed model.

$$\frac{1}{\Gamma(\alpha)} \int_0^t (t-\tau)^{\alpha-1} f(\tau) d\tau = \frac{1}{\Gamma(\alpha)} \int_0^t (t-\tau)^{\alpha-1} f(t-\tau) d\tau$$
$$\frac{E_{\text{eff}}}{E_0} = \frac{E_{\text{eff}}}{E_0} \cdot \frac{\rho}{\rho_0} \cdot \frac{A}{A_0} \cdot \frac{L}{L_0} \cdot \frac{V}{V_0}$$
[illegible]

$\frac{1}{2}$   $\frac{1}{3}$   $\frac{1}{4}$   $\frac{1}{5}$   $\frac{1}{6}$   $\frac{1}{7}$   $\frac{1}{8}$   $\frac{1}{9}$   $\frac{1}{10}$   $\frac{1}{11}$   $\frac{1}{12}$   $\frac{1}{13}$   $\frac{1}{14}$   $\frac{1}{15}$   $\frac{1}{16}$   $\frac{1}{17}$   $\frac{1}{18}$   $\frac{1}{19}$   $\frac{1}{20}$   $\frac{1}{21}$   $\frac{1}{22}$   $\frac{1}{23}$   $\frac{1}{24}$   $\frac{1}{25}$   $\frac{1}{26}$   $\frac{1}{27}$   $\frac{1}{28}$   $\frac{1}{29}$   $\frac{1}{30}$   $\frac{1}{31}$   $\frac{1}{32}$   $\frac{1}{33}$   $\frac{1}{34}$   $\frac{1}{35}$   $\frac{1}{36}$   $\frac{1}{37}$   $\frac{1}{38}$   $\frac{1}{39}$   $\frac{1}{40}$   $\frac{1}{41}$   $\frac{1}{42}$   $\frac{1}{43}$   $\frac{1}{44}$   $\frac{1}{45}$   $\frac{1}{46}$   $\frac{1}{47}$   $\frac{1}{48}$   $\frac{1}{49}$   $\frac{1}{50}$   $\frac{1}{51}$   $\frac{1}{52}$   $\frac{1}{53}$   $\frac{1}{54}$   $\frac{1}{55}$   $\frac{1}{56}$   $\frac{1}{57}$   $\frac{1}{58}$   $\frac{1}{59}$   $\frac{1}{60}$   $\frac{1}{61}$   $\frac{1}{62}$   $\frac{1}{63}$   $\frac{1}{64}$   $\frac{1}{65}$   $\frac{1}{66}$   $\frac{1}{67}$   $\frac{1}{68}$   $\frac{1}{69}$   $\frac{1}{70}$   $\frac{1}{71}$   $\frac{1}{72}$   $\frac{1}{73}$   $\frac{1}{74}$   $\frac{1}{75}$   $\frac{1}{76}$   $\frac{1}{77}$   $\frac{1}{78}$   $\frac{1}{79}$   $\frac{1}{80}$   $\frac{1}{81}$   $\frac{1}{82}$   $\frac{1}{83}$   $\frac{1}{84}$   $\frac{1}{85}$   $\frac{1}{86}$   $\frac{1}{87}$   $\frac{1}{88}$   $\frac{1}{89}$   $\frac{1}{90}$   $\frac{1}{91}$   $\frac{1}{92}$   $\frac{1}{93}$   $\frac{1}{94}$   $\frac{1}{95}$   $\frac{1}{96}$   $\frac{1}{97}$   $\frac{1}{98}$   $\frac{1}{99}$   $\frac{1}{100}$

$$\frac{1}{n} \sum_{i=1}^n \log \left( \frac{\hat{f}_i(x)}{f_i(x)} \right) = -\frac{1}{n} \sum_{i=1}^n \log \left( \frac{\hat{f}_i(x)}{f_i(x)} \right)$$
$$\frac{d}{dt} \left( \frac{1}{\rho} \right) = - \frac{1}{\rho^2} \frac{d\rho}{dt}$$
[illegible]



English-into-Chinese Translation

Notes: 1. See

0.  $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$   $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$   $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$   $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$

$\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$   $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$   $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$   $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$

$\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$   $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$   $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$   $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$

$\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$   $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$   $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$   $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$

$\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$   $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$   $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$   $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$

$\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$   $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$   $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$   $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$

$\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$   $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$   $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$   $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$

$\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$   $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$   $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$   $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$

$\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$   $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$   $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$   $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$

$\frac{1}{2}$   $\frac{1}{3}$   $\frac{1}{4}$   $\frac{1}{5}$   $\frac{1}{6}$   $\frac{1}{7}$   $\frac{1}{8}$   $\frac{1}{9}$   $\frac{1}{10}$   $\frac{1}{11}$   $\frac{1}{12}$   $\frac{1}{13}$   $\frac{1}{14}$   $\frac{1}{15}$   $\frac{1}{16}$   $\frac{1}{17}$   $\frac{1}{18}$   $\frac{1}{19}$   $\frac{1}{20}$   $\frac{1}{21}$   $\frac{1}{22}$   $\frac{1}{23}$   $\frac{1}{24}$   $\frac{1}{25}$   $\frac{1}{26}$   $\frac{1}{27}$   $\frac{1}{28}$   $\frac{1}{29}$   $\frac{1}{30}$

$\frac{1}{31}$   $\frac{1}{32}$   $\frac{1}{33}$   $\frac{1}{34}$   $\frac{1}{35}$   $\frac{1}{36}$   $\frac{1}{37}$   $\frac{1}{38}$   $\frac{1}{39}$   $\frac{1}{40}$   $\frac{1}{41}$   $\frac{1}{42}$   $\frac{1}{43}$   $\frac{1}{44}$   $\frac{1}{45}$   $\frac{1}{46}$   $\frac{1}{47}$   $\frac{1}{48}$   $\frac{1}{49}$   $\frac{1}{50}$

$\frac{1}{51}$   $\frac{1}{52}$   $\frac{1}{53}$   $\frac{1}{54}$   $\frac{1}{55}$   $\frac{1}{56}$   $\frac{1}{57}$   $\frac{1}{58}$   $\frac{1}{59}$   $\frac{1}{60}$   $\frac{1}{61}$   $\frac{1}{62}$   $\frac{1}{63}$   $\frac{1}{64}$   $\frac{1}{65}$   $\frac{1}{66}$   $\frac{1}{67}$   $\frac{1}{68}$   $\frac{1}{69}$   $\frac{1}{70}$

$\frac{1}{71}$   $\frac{1}{72}$   $\frac{1}{73}$   $\frac{1}{74}$   $\frac{1}{75}$   $\frac{1}{76}$   $\frac{1}{77}$   $\frac{1}{78}$   $\frac{1}{79}$   $\frac{1}{80}$   $\frac{1}{81}$   $\frac{1}{82}$   $\frac{1}{83}$   $\frac{1}{84}$   $\frac{1}{85}$   $\frac{1}{86}$   $\frac{1}{87}$   $\frac{1}{88}$   $\frac{1}{89}$   $\frac{1}{90}$

$\frac{1}{91}$   $\frac{1}{92}$   $\frac{1}{93}$   $\frac{1}{94}$   $\frac{1}{95}$   $\frac{1}{96}$   $\frac{1}{97}$   $\frac{1}{98}$   $\frac{1}{99}$   $\frac{1}{100}$   $\frac{1}{101}$   $\frac{1}{102}$   $\frac{1}{103}$   $\frac{1}{104}$   $\frac{1}{105}$   $\frac{1}{106}$   $\frac{1}{107}$   $\frac{1}{108}$   $\frac{1}{109}$   $\frac{1}{110}$

$\frac{1}{111}$   $\frac{1}{112}$   $\frac{1}{113}$   $\frac{1}{114}$   $\frac{1}{115}$   $\frac{1}{116}$   $\frac{1}{117}$   $\frac{1}{118}$   $\frac{1}{119}$   $\frac{1}{120}$   $\frac{1}{121}$   $\frac{1}{122}$   $\frac{1}{123}$   $\frac{1}{124}$   $\frac{1}{125}$   $\frac{1}{126}$   $\frac{1}{127}$   $\frac{1}{128}$   $\frac{1}{129}$   $\frac{1}{130}$

$\frac{1}{131}$   $\frac{1}{132}$   $\frac{1}{133}$   $\frac{1}{134}$   $\frac{1}{135}$   $\frac{1}{136}$   $\frac{1}{137}$   $\frac{1}{138}$   $\frac{1}{139}$   $\frac{1}{140}$   $\frac{1}{141}$   $\frac{1}{142}$   $\frac{1}{143}$   $\frac{1}{144}$   $\frac{1}{145}$   $\frac{1}{146}$   $\frac{1}{147}$   $\frac{1}{148}$   $\frac{1}{149}$   $\frac{1}{150}$

$\frac{1}{151}$   $\frac{1}{152}$   $\frac{1}{153}$   $\frac{1}{154}$   $\frac{1}{155}$   $\frac{1}{156}$   $\frac{1}{157}$   $\frac{1}{158}$   $\frac{1}{159}$   $\frac{1}{160}$   $\frac{1}{161}$   $\frac{1}{162}$   $\frac{1}{163}$   $\frac{1}{164}$   $\frac{1}{165}$   $\frac{1}{166}$   $\frac{1}{167}$   $\frac{1}{168}$   $\frac{1}{169}$   $\frac{1}{170}$

$\frac{1}{171}$   $\frac{1}{172}$   $\frac{1}{173}$   $\frac{1}{174}$   $\frac{1}{175}$   $\frac{1}{176}$   $\frac{1}{177}$   $\frac{1}{178}$   $\frac{1}{179}$   $\frac{1}{180}$   $\frac{1}{181}$   $\frac{1}{182}$   $\frac{1}{183}$   $\frac{1}{184}$   $\frac{1}{185}$   $\frac{1}{186}$   $\frac{1}{187}$   $\frac{1}{188}$   $\frac{1}{189}$   $\frac{1}{190}$

$\frac{1}{191}$   $\frac{1}{192}$   $\frac{1}{193}$   $\frac{1}{194}$   $\frac{1}{195}$   $\frac{1}{196}$   $\frac{1}{197}$   $\frac{1}{198}$   $\frac{1}{199}$   $\frac{1}{200}$   $\frac{1}{201}$   $\frac{1}{202}$   $\frac{1}{203}$   $\frac{1}{204}$   $\frac{1}{205}$   $\frac{1}{206}$   $\frac{1}{207}$   $\frac{1}{208}$   $\frac{1}{209}$   $\frac{1}{210}$

$\frac{1}{211}$   $\frac{1}{212}$   $\frac{1}{213}$   $\frac{1}{214}$   $\frac{1}{215}$   $\frac{1}{216}$   $\frac{1}{217}$   $\frac{1}{218}$   $\frac{1}{219}$   $\frac{1}{220}$   $\frac{1}{221}$   $\frac{1}{222}$   $\frac{1}{223}$   $\frac{1}{224}$   $\frac{1}{225}$   $\frac{1}{226}$   $\frac{1}{227}$   $\frac{1}{228}$   $\frac{1}{229}$   $\frac{1}{230}$

The first of these is the fact that the Commission has been
 able to secure the cooperation of the various departments of the
 Government in the collection of the data required for the
 study.

The second is the fact that the Commission has been able to
 secure the cooperation of the various departments of the
 Government in the collection of the data required for the
 study.

The third is the fact that the Commission has been able to
 secure the cooperation of the various departments of the
 Government in the collection of the data required for the
 study.

The fourth is the fact that the Commission has been able to
 secure the cooperation of the various departments of the
 Government in the collection of the data required for the
 study.

The fifth is the fact that the Commission has been able to
 secure the cooperation of the various departments of the
 Government in the collection of the data required for the
 study.

The sixth is the fact that the Commission has been able to
 secure the cooperation of the various departments of the
 Government in the collection of the data required for the
 study.

The seventh is the fact that the Commission has been able to
 secure the cooperation of the various departments of the
 Government in the collection of the data required for the
 study.

The eighth is the fact that the Commission has been able to
 secure the cooperation of the various departments of the
 Government in the collection of the data required for the
 study.

The ninth is the fact that the Commission has been able to
 secure the cooperation of the various departments of the
 Government in the collection of the data required for the
 study.

The tenth is the fact that the Commission has been able to
 secure the cooperation of the various departments of the
 Government in the collection of the data required for the
 study.







1. *Handwritten musical notation on a five-line staff.*

2. *Handwritten musical notation on a five-line staff.*

3. *Handwritten musical notation on a five-line staff.*

4. *Handwritten musical notation on a five-line staff.*

5. *Handwritten musical notation on a five-line staff.*

6. *Handwritten musical notation on a five-line staff.*

7. *Handwritten musical notation on a five-line staff.*

8. *Handwritten musical notation on a five-line staff.*

9. *Handwritten musical notation on a five-line staff.*

10. *Handwritten musical notation on a five-line staff.*



— — — — —

[illegible]

100

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**O**  $\frac{1}{n} \sum_{i=1}^n x_i = \bar{x}$

[illegible]

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[illegible]

1. Learning objectives  
 2. Learning outcomes  
 3. Learning activities  
 4. Learning resources  
 5. Learning evaluation  
 6. Learning reflection  
 7. Learning feedback  
 8. Learning support  
 9. Learning environment  
 10. Learning process  
 11. Learning results  
 12. Learning impact  
 13. Learning evaluation  
 14. Learning reflection  
 15. Learning feedback  
 16. Learning support  
 17. Learning environment  
 18. Learning process  
 19. Learning results  
 20. Learning impact









$$\begin{array}{ccccccccccc} F_1 & \xrightarrow{f_1} & F_2 & \xrightarrow{f_2} & F_3 & \xrightarrow{f_3} & F_4 & \xrightarrow{f_4} & F_5 & \xrightarrow{f_5} & F_6 \\ 1 & & 1 & & 1 & & 1 & & 1 & & 1 \end{array}$$
[illegible]

**Abstract**

$$\frac{1}{\Gamma(\alpha)} \int_0^t (t-\tau)^{\alpha-1} f(\tau) d\tau = \frac{1}{\Gamma(\alpha)} \int_0^t (t-\tau)^{\alpha-1} f(\tau) d\tau$$
[illegible]

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$$\frac{E}{\mu_0} = \frac{\partial^2 E}{\partial x^2} - \frac{\partial^2 B}{\partial x \partial t},$$


 UNIVERSITY OF MICHIGAN PRESS

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**Figure 1**

Figure 1

$$0 \rightarrow \frac{F_1}{\langle F_1^{\text{in}} \rangle} \rightarrow \frac{F_2}{\langle F_2^{\text{in}} \rangle} \rightarrow \cdots \rightarrow \frac{F_n}{\langle F_n^{\text{in}} \rangle} \rightarrow \frac{F_{n+1}}{\langle F_{n+1}^{\text{in}} \rangle}$$
[illegible]

2019年12月15日 星期一  
 2019年12月16日 星期二  
 2019年12月17日 星期三

[illegible]
$$\frac{F}{\mu_0} = \frac{\sigma^2}{2\epsilon_0} = \frac{Q^2}{2\pi\epsilon_0 L^2}$$
[illegible]

Figure 1. The effect of the concentration of the solution on the adsorption of the dye.

$$\frac{1}{2} \sqrt{2} \left( \frac{1}{\sqrt{2}} \right) = \frac{1}{2}$$



Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains.

[illegible][illegible][illegible]
$$\frac{1}{\sqrt{\pi}} \left( \frac{1}{x} - \frac{1}{x+1} + \frac{1}{x+2} - \frac{1}{x+3} + \frac{1}{x+4} - \frac{1}{x+5} + \dots \right)$$
$$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx = \frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx$$

**Figure 6**

$$f_{\text{max}} = \frac{1}{2\pi} \sqrt{\frac{1}{L C_{\text{eq}}}}$$
$$\frac{1}{2} \ln \frac{1}{2} - \frac{1}{2} \ln \frac{1}{2} = \frac{1}{2} \ln \frac{1}{2} = \frac{1}{2} \ln \frac{1}{2}$$
[illegible]



The same day the vessel was again sighted  
 at 10.30. At 11.00 the vessel was again sighted

The vessel was again sighted at 11.30. At 12.00 the vessel was again sighted

The vessel was again sighted at 12.30. At 1.00 the vessel was again sighted

The vessel was again sighted at 1.30. At 2.00 the vessel was again sighted

The vessel was again sighted at 2.30. At 3.00 the vessel was again sighted

The vessel was again sighted at 3.30. At 4.00 the vessel was again sighted

The vessel was again sighted at 4.30. At 5.00 the vessel was again sighted

The vessel was again sighted at 5.30. At 6.00 the vessel was again sighted

The vessel was again sighted at 6.30. At 7.00 the vessel was again sighted

The vessel was again sighted at 7.30. At 8.00 the vessel was again sighted





1.  $\frac{1}{2} + \frac{1}{3} = \frac{3}{6} + \frac{2}{6} = \frac{5}{6}$   
 2.  $\frac{1}{4} + \frac{1}{6} = \frac{3}{12} + \frac{2}{12} = \frac{5}{12}$   
 3.  $\frac{1}{5} + \frac{1}{10} = \frac{2}{10} + \frac{1}{10} = \frac{3}{10}$   
 4.  $\frac{1}{8} + \frac{1}{12} = \frac{3}{24} + \frac{2}{24} = \frac{5}{24}$   
 5.  $\frac{1}{9} + \frac{1}{18} = \frac{2}{18} + \frac{1}{18} = \frac{3}{18} = \frac{1}{6}$   
 6.  $\frac{1}{10} + \frac{1}{20} = \frac{2}{20} + \frac{1}{20} = \frac{3}{20}$   
 7.  $\frac{1}{12} + \frac{1}{24} = \frac{2}{24} + \frac{1}{24} = \frac{3}{24} = \frac{1}{8}$   
 8.  $\frac{1}{15} + \frac{1}{30} = \frac{2}{30} + \frac{1}{30} = \frac{3}{30} = \frac{1}{10}$   
 9.  $\frac{1}{18} + \frac{1}{36} = \frac{2}{36} + \frac{1}{36} = \frac{3}{36} = \frac{1}{12}$   
 10.  $\frac{1}{20} + \frac{1}{40} = \frac{2}{40} + \frac{1}{40} = \frac{3}{40}$   
 11.  $\frac{1}{24} + \frac{1}{48} = \frac{2}{48} + \frac{1}{48} = \frac{3}{48} = \frac{1}{16}$   
 12.  $\frac{1}{30} + \frac{1}{60} = \frac{2}{60} + \frac{1}{60} = \frac{3}{60} = \frac{1}{20}$   
 13.  $\frac{1}{36} + \frac{1}{72} = \frac{2}{72} + \frac{1}{72} = \frac{3}{72} = \frac{1}{24}$   
 14.  $\frac{1}{40} + \frac{1}{80} = \frac{2}{80} + \frac{1}{80} = \frac{3}{80}$   
 15.  $\frac{1}{48} + \frac{1}{96} = \frac{2}{96} + \frac{1}{96} = \frac{3}{96} = \frac{1}{32}$   
 16.  $\frac{1}{60} + \frac{1}{120} = \frac{2}{120} + \frac{1}{120} = \frac{3}{120} = \frac{1}{40}$   
 17.  $\frac{1}{72} + \frac{1}{144} = \frac{2}{144} + \frac{1}{144} = \frac{3}{144} = \frac{1}{48}$   
 18.  $\frac{1}{80} + \frac{1}{160} = \frac{2}{160} + \frac{1}{160} = \frac{3}{160}$   
 19.  $\frac{1}{96} + \frac{1}{192} = \frac{2}{192} + \frac{1}{192} = \frac{3}{192} = \frac{1}{64}$   
 20.  $\frac{1}{120} + \frac{1}{240} = \frac{2}{240} + \frac{1}{240} = \frac{3}{240} = \frac{1}{80}$

Example 1.  $\frac{1}{2} + \frac{1}{3} + \frac{1}{6} = \frac{3}{6} + \frac{2}{6} + \frac{1}{6} = \frac{6}{6} = 1$

Example 2.  $\frac{1}{4} + \frac{1}{6} + \frac{1}{12} = \frac{3}{12} + \frac{2}{12} + \frac{1}{12} = \frac{6}{12} = \frac{1}{2}$

1.  $\frac{1}{2} + \frac{1}{3} + \frac{1}{6} = 1$   
 2.  $\frac{1}{4} + \frac{1}{6} + \frac{1}{12} = \frac{1}{2}$   
 3.  $\frac{1}{5} + \frac{1}{10} + \frac{1}{20} = \frac{4}{20} + \frac{2}{20} + \frac{1}{20} = \frac{7}{20}$   
 4.  $\frac{1}{8} + \frac{1}{12} + \frac{1}{24} = \frac{3}{24} + \frac{2}{24} + \frac{1}{24} = \frac{6}{24} = \frac{1}{4}$   
 5.  $\frac{1}{9} + \frac{1}{18} + \frac{1}{36} = \frac{4}{36} + \frac{2}{36} + \frac{1}{36} = \frac{7}{36}$   
 6.  $\frac{1}{10} + \frac{1}{20} + \frac{1}{40} = \frac{4}{40} + \frac{2}{40} + \frac{1}{40} = \frac{7}{40}$   
 7.  $\frac{1}{12} + \frac{1}{24} + \frac{1}{48} = \frac{4}{48} + \frac{2}{48} + \frac{1}{48} = \frac{7}{48}$   
 8.  $\frac{1}{15} + \frac{1}{30} + \frac{1}{60} = \frac{4}{60} + \frac{2}{60} + \frac{1}{60} = \frac{7}{60}$   
 9.  $\frac{1}{18} + \frac{1}{36} + \frac{1}{72} = \frac{4}{72} + \frac{2}{72} + \frac{1}{72} = \frac{7}{72}$   
 10.  $\frac{1}{20} + \frac{1}{40} + \frac{1}{80} = \frac{4}{80} + \frac{2}{80} + \frac{1}{80} = \frac{7}{80}$   
 11.  $\frac{1}{24} + \frac{1}{48} + \frac{1}{96} = \frac{4}{96} + \frac{2}{96} + \frac{1}{96} = \frac{7}{96}$   
 12.  $\frac{1}{30} + \frac{1}{60} + \frac{1}{120} = \frac{4}{120} + \frac{2}{120} + \frac{1}{120} = \frac{7}{120}$   
 13.  $\frac{1}{36} + \frac{1}{72} + \frac{1}{144} = \frac{4}{144} + \frac{2}{144} + \frac{1}{144} = \frac{7}{144}$   
 14.  $\frac{1}{40} + \frac{1}{80} + \frac{1}{160} = \frac{4}{160} + \frac{2}{160} + \frac{1}{160} = \frac{7}{160}$   
 15.  $\frac{1}{48} + \frac{1}{96} + \frac{1}{192} = \frac{4}{192} + \frac{2}{192} + \frac{1}{192} = \frac{7}{192}$   
 16.  $\frac{1}{60} + \frac{1}{120} + \frac{1}{240} = \frac{4}{240} + \frac{2}{240} + \frac{1}{240} = \frac{7}{240}$   
 17.  $\frac{1}{72} + \frac{1}{144} + \frac{1}{288} = \frac{4}{288} + \frac{2}{288} + \frac{1}{288} = \frac{7}{288}$   
 18.  $\frac{1}{80} + \frac{1}{160} + \frac{1}{320} = \frac{4}{320} + \frac{2}{320} + \frac{1}{320} = \frac{7}{320}$   
 19.  $\frac{1}{96} + \frac{1}{192} + \frac{1}{384} = \frac{4}{384} + \frac{2}{384} + \frac{1}{384} = \frac{7}{384}$   
 20.  $\frac{1}{120} + \frac{1}{240} + \frac{1}{480} = \frac{4}{480} + \frac{2}{480} + \frac{1}{480} = \frac{7}{480}$

$\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

$$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx = \frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx$$

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840.

[illegible]
$$\frac{d}{dt} \left( \frac{1}{\rho} \right) = - \frac{1}{\rho^2} \frac{d\rho}{dt} = - \frac{1}{\rho^2} \left( \frac{\partial \rho}{\partial t} + \nabla \cdot (\rho \mathbf{v}) \right)$$

Figure 1. Schematic representation of the experimental design. The subjects were divided into two groups: the control group and the experimental group. The control group was divided into two subgroups: the control group and the control group. The experimental group was divided into two subgroups: the experimental group and the experimental group. The control group was divided into two subgroups: the control group and the control group. The experimental group was divided into two subgroups: the experimental group and the experimental group.

2017年12月15日

$$\frac{1}{\sqrt{2}} \begin{pmatrix} 1 & 1 \\ 1 & -1 \end{pmatrix} \frac{1}{\sqrt{2}} \begin{pmatrix} 1 & 1 \\ 1 & -1 \end{pmatrix} = \frac{1}{2} \begin{pmatrix} 1 & 1 \\ 1 & -1 \end{pmatrix} \begin{pmatrix} 1 & 1 \\ 1 & -1 \end{pmatrix} = \frac{1}{2} \begin{pmatrix} 2 & 0 \\ 0 & 2 \end{pmatrix} = \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}$$
[illegible]





— *Journal of the American Medical Association*

$$\frac{1}{2}m\dot{x}^2 - \frac{1}{2}kx^2 = \frac{1}{2}m\dot{x}^2 - \frac{1}{2}kx^2 = \frac{1}{2}m\dot{x}^2 - \frac{1}{2}kx^2$$

Figure 1 is a 3D bar chart showing the percentage of respondents for each age group across five categories. The y-axis represents the percentage from 0 to 100. The x-axis lists the categories: 'No opinion', 'Not a good idea', 'Good idea', 'Very good idea', and 'Don't know'. The legend indicates the age groups: 18-24 (lightest), 25-34, 35-44, 45-54, 55-64, and 65+ (darkest).

| Category        | 18-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65+  |
|-----------------|-------|-------|-------|-------|-------|------|
| No opinion      | ~10%  | ~10%  | ~10%  | ~10%  | ~10%  | ~10% |
| Not a good idea | ~10%  | ~10%  | ~10%  | ~10%  | ~10%  | ~10% |
| Good idea       | ~10%  | ~10%  | ~10%  | ~10%  | ~10%  | ~10% |
| Very good idea  | ~10%  | ~10%  | ~10%  | ~10%  | ~10%  | ~10% |
| Don't know      | ~10%  | ~10%  | ~10%  | ~10%  | ~10%  | ~10% |

[illegible]
$$\frac{1}{2} \left( \frac{1}{2} \right)^{n-1} = \frac{1}{2^n}$$
[illegible][illegible]

1.  $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$   
 2.  $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$   
 3.  $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$   
 4.  $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$   
 5.  $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$   
 6.  $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$   
 7.  $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$   
 8.  $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$   
 9.  $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$   
 10.  $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

[illegible][illegible][illegible]





1. The first part of the document is a letter from the  
 2. Secretary of the Department of the Interior to the  
 3. Commissioner of the General Land Office, dated  
 4. January 1, 1881. The letter is in response to a  
 5. letter from the Commissioner dated December 15, 1880.  
 6. The letter is signed by the Secretary of the Department  
 7. of the Interior, and is addressed to the Commissioner  
 8. of the General Land Office. The letter is in the  
 9. following words: "The Secretary of the Department  
 10. of the Interior has the honor to acknowledge the  
 11. receipt of your letter of the 15th inst. and in  
 12. reply to inform you that the same has been  
 13. forwarded to the proper authorities for their  
 14. consideration. The Secretary of the Department  
 15. of the Interior is very respectfully,  
 16. Sir, your obedient servant,  
 17. Secretary of the Department of the Interior."

$\frac{1}{2}$  of  $\frac{3}{4}$  of 1000 =  $\frac{1}{2}$  of  $\frac{3}{4}$  of 1000 = 375  
 1000 1000 1000 1000 1000 1000

$\frac{1}{2}$  of  $\frac{3}{4}$  of 1000 =  $\frac{1}{2}$  of  $\frac{3}{4}$  of 1000 = 375  
 1000 1000 1000 1000 1000 1000

$\frac{1}{2}$  of  $\frac{3}{4}$  of 1000 =  $\frac{1}{2}$  of  $\frac{3}{4}$  of 1000 = 375  
 1000 1000 1000 1000 1000 1000

$\frac{1}{2}$  of  $\frac{3}{4}$  of 1000 =  $\frac{1}{2}$  of  $\frac{3}{4}$  of 1000 = 375  
 1000 1000 1000 1000 1000 1000

$\frac{1}{2}$  of  $\frac{3}{4}$  of 1000 =  $\frac{1}{2}$  of  $\frac{3}{4}$  of 1000 = 375  
 1000 1000 1000 1000 1000 1000

$\frac{1}{2}$  of  $\frac{3}{4}$  of 1000 =  $\frac{1}{2}$  of  $\frac{3}{4}$  of 1000 = 375  
 1000 1000 1000 1000 1000 1000

$\frac{1}{2}$  of  $\frac{3}{4}$  of 1000 =  $\frac{1}{2}$  of  $\frac{3}{4}$  of 1000 = 375  
 1000 1000 1000 1000 1000 1000

$\frac{1}{2}$  of  $\frac{3}{4}$  of 1000 =  $\frac{1}{2}$  of  $\frac{3}{4}$  of 1000 = 375  
 1000 1000 1000 1000 1000 1000

$\frac{1}{2}$  of  $\frac{3}{4}$  of 1000 =  $\frac{1}{2}$  of  $\frac{3}{4}$  of 1000 = 375  
 1000 1000 1000 1000 1000 1000

$\frac{1}{2}$  of  $\frac{3}{4}$  of 1000 =  $\frac{1}{2}$  of  $\frac{3}{4}$  of 1000 = 375  
 1000 1000 1000 1000 1000 1000

1. The first part of the book is a collection of essays on the history of the English language. The second part is a collection of essays on the history of the English language.

2. The first part of the book is a collection of essays on the history of the English language. The second part is a collection of essays on the history of the English language.

3. The first part of the book is a collection of essays on the history of the English language. The second part is a collection of essays on the history of the English language.

4. The first part of the book is a collection of essays on the history of the English language. The second part is a collection of essays on the history of the English language.

5. The first part of the book is a collection of essays on the history of the English language. The second part is a collection of essays on the history of the English language.

6. The first part of the book is a collection of essays on the history of the English language. The second part is a collection of essays on the history of the English language.

7. The first part of the book is a collection of essays on the history of the English language. The second part is a collection of essays on the history of the English language.

8. The first part of the book is a collection of essays on the history of the English language. The second part is a collection of essays on the history of the English language.

9. The first part of the book is a collection of essays on the history of the English language. The second part is a collection of essays on the history of the English language.

10. The first part of the book is a collection of essays on the history of the English language. The second part is a collection of essays on the history of the English language.

$$\frac{d}{dt} \left( \frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$$

**Figure 1** The effect of the number of nodes on the performance of the proposed algorithm.

$$\frac{1}{\sqrt{\pi}} \left( \frac{1}{\sqrt{\pi}} \right)^{\frac{1}{n-1}} \frac{1}{\sqrt{\pi}} \frac{1}{\sqrt{\pi}} \dots \frac{1}{\sqrt{\pi}} \frac{1}{\sqrt{\pi}}$$
$$\frac{1}{n} \sum_{i=1}^n \left( \frac{\partial}{\partial \theta} \log f(\mathbf{x}_i; \theta) \right)^T = \frac{1}{n} \sum_{i=1}^n \left( \frac{\partial}{\partial \theta} \log f(\mathbf{x}_i; \theta) \right)$$

$\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$        $\frac{1}{2} \times \frac{1}{4} = \frac{1}{8}$        $\frac{1}{4} \times \frac{1}{4} = \frac{1}{16}$   
 1/2 1/4 1/8 1/16 1/32 1/64 1/128 1/256

Figure 1. The effect of the number of trials on the number of correct responses. The number of correct responses was significantly higher for the 10 trials condition than for the 5 trials condition. Error bars represent the standard error of the mean.

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[illegible]

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|

The first of these is the fact that the land is not  
 all of the same quality. Some of it is very fertile  
 and some of it is very poor. The land is also  
 not all of the same size. Some of it is very large  
 and some of it is very small. The land is also  
 not all of the same shape. Some of it is very  
 long and some of it is very short. The land is  
 also not all of the same color. Some of it is  
 very green and some of it is very brown. The  
 land is also not all of the same texture. Some  
 of it is very smooth and some of it is very  
 rough. The land is also not all of the same  
 height. Some of it is very high and some of  
 it is very low. The land is also not all of the  
 same width. Some of it is very wide and some  
 of it is very narrow. The land is also not all  
 of the same depth. Some of it is very deep  
 and some of it is very shallow. The land is  
 also not all of the same temperature. Some of  
 it is very hot and some of it is very cold. The  
 land is also not all of the same humidity. Some  
 of it is very dry and some of it is very wet. The  
 land is also not all of the same windiness. Some  
 of it is very windy and some of it is very calm.

$\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$        $\frac{1}{4} \times \frac{1}{5} = \frac{1}{20}$        $\frac{1}{6} \times \frac{1}{7} = \frac{1}{42}$        $\frac{1}{8} \times \frac{1}{9} = \frac{1}{72}$   
 $\frac{1}{10} \times \frac{1}{11} = \frac{1}{110}$        $\frac{1}{12} \times \frac{1}{13} = \frac{1}{156}$        $\frac{1}{14} \times \frac{1}{15} = \frac{1}{210}$        $\frac{1}{16} \times \frac{1}{17} = \frac{1}{272}$

$\frac{1}{18} \times \frac{1}{19} = \frac{1}{342}$        $\frac{1}{20} \times \frac{1}{21} = \frac{1}{420}$        $\frac{1}{22} \times \frac{1}{23} = \frac{1}{506}$        $\frac{1}{24} \times \frac{1}{25} = \frac{1}{600}$   
 $\frac{1}{26} \times \frac{1}{27} = \frac{1}{702}$        $\frac{1}{28} \times \frac{1}{29} = \frac{1}{812}$        $\frac{1}{30} \times \frac{1}{31} = \frac{1}{930}$        $\frac{1}{32} \times \frac{1}{33} = \frac{1}{1056}$

$\frac{1}{34} \times \frac{1}{35} = \frac{1}{1190}$        $\frac{1}{36} \times \frac{1}{37} = \frac{1}{1332}$        $\frac{1}{38} \times \frac{1}{39} = \frac{1}{1482}$        $\frac{1}{40} \times \frac{1}{41} = \frac{1}{1640}$   
 $\frac{1}{42} \times \frac{1}{43} = \frac{1}{1806}$        $\frac{1}{44} \times \frac{1}{45} = \frac{1}{1980}$        $\frac{1}{46} \times \frac{1}{47} = \frac{1}{2162}$        $\frac{1}{48} \times \frac{1}{49} = \frac{1}{2352}$

$\frac{1}{50} \times \frac{1}{51} = \frac{1}{2550}$        $\frac{1}{52} \times \frac{1}{53} = \frac{1}{2756}$        $\frac{1}{54} \times \frac{1}{55} = \frac{1}{2970}$        $\frac{1}{56} \times \frac{1}{57} = \frac{1}{3192}$   
 $\frac{1}{58} \times \frac{1}{59} = \frac{1}{3422}$        $\frac{1}{60} \times \frac{1}{61} = \frac{1}{3660}$        $\frac{1}{62} \times \frac{1}{63} = \frac{1}{3906}$        $\frac{1}{64} \times \frac{1}{65} = \frac{1}{4160}$

$\frac{1}{66} \times \frac{1}{67} = \frac{1}{4422}$        $\frac{1}{68} \times \frac{1}{69} = \frac{1}{4692}$        $\frac{1}{70} \times \frac{1}{71} = \frac{1}{4970}$        $\frac{1}{72} \times \frac{1}{73} = \frac{1}{5256}$   
 $\frac{1}{74} \times \frac{1}{75} = \frac{1}{5550}$        $\frac{1}{76} \times \frac{1}{77} = \frac{1}{5852}$        $\frac{1}{78} \times \frac{1}{79} = \frac{1}{6162}$        $\frac{1}{80} \times \frac{1}{81} = \frac{1}{6480}$

$\frac{1}{82} \times \frac{1}{83} = \frac{1}{6806}$        $\frac{1}{84} \times \frac{1}{85} = \frac{1}{7140}$        $\frac{1}{86} \times \frac{1}{87} = \frac{1}{7482}$        $\frac{1}{88} \times \frac{1}{89} = \frac{1}{7832}$   
 $\frac{1}{90} \times \frac{1}{91} = \frac{1}{8190}$        $\frac{1}{92} \times \frac{1}{93} = \frac{1}{8556}$        $\frac{1}{94} \times \frac{1}{95} = \frac{1}{8910}$        $\frac{1}{96} \times \frac{1}{97} = \frac{1}{9272}$

$\frac{1}{98} \times \frac{1}{99} = \frac{1}{9702}$        $\frac{1}{100} \times \frac{1}{101} = \frac{1}{10100}$        $\frac{1}{102} \times \frac{1}{103} = \frac{1}{10506}$        $\frac{1}{104} \times \frac{1}{105} = \frac{1}{10920}$   
 $\frac{1}{106} \times \frac{1}{107} = \frac{1}{11342}$        $\frac{1}{108} \times \frac{1}{109} = \frac{1}{11772}$        $\frac{1}{110} \times \frac{1}{111} = \frac{1}{12210}$        $\frac{1}{112} \times \frac{1}{113} = \frac{1}{12656}$

$\frac{1}{114} \times \frac{1}{115} = \frac{1}{13110}$        $\frac{1}{116} \times \frac{1}{117} = \frac{1}{13572}$        $\frac{1}{118} \times \frac{1}{119} = \frac{1}{14042}$        $\frac{1}{120} \times \frac{1}{121} = \frac{1}{14520}$   
 $\frac{1}{122} \times \frac{1}{123} = \frac{1}{15006}$        $\frac{1}{124} \times \frac{1}{125} = \frac{1}{15500}$        $\frac{1}{126} \times \frac{1}{127} = \frac{1}{15998}$        $\frac{1}{128} \times \frac{1}{129} = \frac{1}{16500}$

$\frac{1}{130} \times \frac{1}{131} = \frac{1}{16990}$        $\frac{1}{132} \times \frac{1}{133} = \frac{1}{17484}$        $\frac{1}{134} \times \frac{1}{135} = \frac{1}{17985}$        $\frac{1}{136} \times \frac{1}{137} = \frac{1}{18492}$   
 $\frac{1}{138} \times \frac{1}{139} = \frac{1}{18996}$        $\frac{1}{140} \times \frac{1}{141} = \frac{1}{19500}$        $\frac{1}{142} \times \frac{1}{143} = \frac{1}{20010}$        $\frac{1}{144} \times \frac{1}{145} = \frac{1}{20520}$

$\frac{1}{146} \times \frac{1}{147} = \frac{1}{21038}$        $\frac{1}{148} \times \frac{1}{149} = \frac{1}{21560}$        $\frac{1}{150} \times \frac{1}{151} = \frac{1}{22080}$        $\frac{1}{152} \times \frac{1}{153} = \frac{1}{22608}$   
 $\frac{1}{154} \times \frac{1}{155} = \frac{1}{23140}$        $\frac{1}{156} \times \frac{1}{157} = \frac{1}{23676}$        $\frac{1}{158} \times \frac{1}{159} = \frac{1}{24210}$        $\frac{1}{160} \times \frac{1}{161} = \frac{1}{24750}$

EXERCISE 2. PROVE THAT IF  $f$  IS THE

FUNCTION  $f(x) = \frac{1}{x^2}$  THEN  $f'(x) = -\frac{2}{x^3}$

FOR ALL  $x \neq 0$ . (HINT: USE THE DEFINITION OF THE DERIVATIVE.)

$f'(x) = \lim_{h \rightarrow 0} \frac{f(x+h) - f(x)}{h} = \lim_{h \rightarrow 0} \frac{\frac{1}{(x+h)^2} - \frac{1}{x^2}}{h}$

$= \lim_{h \rightarrow 0} \frac{\frac{x^2 - (x+h)^2}{(x+h)^2 x^2}}{h} = \lim_{h \rightarrow 0} \frac{\frac{x^2 - (x^2 + 2xh + h^2)}{(x+h)^2 x^2}}{h}$

$= \lim_{h \rightarrow 0} \frac{\frac{-2xh - h^2}{(x+h)^2 x^2}}{h} = \lim_{h \rightarrow 0} \frac{-2x - h}{(x+h)^2 x^2}$

$= \frac{-2x}{x^2 x^2} = -\frac{2}{x^3}$

Q.E.D.

EXERCISE 3. PROVE THAT  $f(x) = \frac{1}{x}$  IS DIFFERENTIABLE AT  $x = 1$ .

HINT: USE THE DEFINITION OF THE DERIVATIVE.

0.  $f'(1) = \lim_{h \rightarrow 0} \frac{f(1+h) - f(1)}{h} = \lim_{h \rightarrow 0} \frac{\frac{1}{1+h} - \frac{1}{1}}{h}$

$= \lim_{h \rightarrow 0} \frac{\frac{1 - (1+h)}{(1+h) \cdot 1}}{h} = \lim_{h \rightarrow 0} \frac{\frac{-h}{1+h}}{h}$

$= \lim_{h \rightarrow 0} \frac{-1}{1+h} = -1$

Q.E.D.



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[illegible]

**Figure 1**

$$\frac{d}{dt} \left( \frac{1}{\rho} \right) = - \frac{1}{\rho^2} \frac{d\rho}{dt}$$

2014年12月15日

[illegible]

— *Journal of the American Medical Association*

[illegible]

— *Chrysomelidae* — *Chrysomelidae* —

$$\frac{d}{dt} \left( \frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$$

1. *Journal of the American Medical Association*, 2000; 283: 2689-2695.

$$\frac{1}{\sqrt{\pi}} \int_0^x \frac{e^{-t^2}}{t} dt = -\frac{1}{\sqrt{\pi}} \gamma + \frac{1}{\sqrt{\pi}} \ln x$$

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1. *Journal of the American Medical Association*, 2000; 283: 2689-2694.

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Figure 1. The effect of the number of trials on the number of correct responses. The number of correct responses (Y-axis) is plotted against the number of trials (X-axis). The data shows a positive correlation between the number of trials and the number of correct responses, with a slight increase in the number of correct responses as the number of trials increases.



The first of these is the fact that the United States is a young nation, and its history is therefore a history of growth and development. The second is the fact that the United States is a large nation, and its history is therefore a history of expansion and conquest. The third is the fact that the United States is a diverse nation, and its history is therefore a history of conflict and compromise. The fourth is the fact that the United States is a nation of immigrants, and its history is therefore a history of assimilation and integration. The fifth is the fact that the United States is a nation of pioneers, and its history is therefore a history of exploration and discovery. The sixth is the fact that the United States is a nation of entrepreneurs, and its history is therefore a history of innovation and invention. The seventh is the fact that the United States is a nation of leaders, and its history is therefore a history of vision and leadership. The eighth is the fact that the United States is a nation of heroes, and its history is therefore a history of courage and sacrifice. The ninth is the fact that the United States is a nation of dreamers, and its history is therefore a history of hope and aspiration. The tenth is the fact that the United States is a nation of believers, and its history is therefore a history of faith and conviction.



$$\frac{1}{\Gamma(\alpha)} \int_0^t (t-\tau)^{\alpha-1} f(\tau) d\tau = I_{0+}^\alpha f(t),$$

**Figure 1** The effect of the number of nodes on the performance of the proposed algorithm.

$$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx = \frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx$$
$$\frac{1}{x^2} = x^{-2} \Rightarrow \frac{d}{dx} x^{-2} = -2x^{-3} = -\frac{2}{x^3}$$
$$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx = \frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx$$
[illegible]

**Abstract** The purpose of this study was to determine whether there were differences in the prevalence of risk factors for low back pain between two groups of nurses working in different departments of a tertiary care hospital. A cross-sectional study was conducted among 100 nurses working in the intensive care unit (ICU) and 100 nurses working in the medical-surgical department. Data were collected from a questionnaire about demographic characteristics, work-related variables, and self-reported symptoms. Results showed that the prevalence of low back pain was higher among ICU nurses than among medical-surgical nurses. The prevalence of risk factors for low back pain was also higher among ICU nurses than among medical-surgical nurses. The results suggest that the prevalence of low back pain is related to the type of nursing work.

**Abstract**

1. The first step is to identify the problem. This involves understanding the current situation and what needs to be changed.

| Age | Sex | Height (cm) | Weight (kg) | Body mass index (kg/m <sup>2</sup> ) | Waist circumference (cm) | Waist-hip ratio | Visceral fat (cm <sup>2</sup> ) | Subcutaneous fat (cm <sup>2</sup> ) | Total fat (cm <sup>2</sup> ) |
|-----|-----|-------------|-------------|--------------------------------------|--------------------------|-----------------|---------------------------------|-------------------------------------|------------------------------|
| 20  | M   | 175         | 75          | 24.2                                 | 95                       | 0.85            | 150                             | 100                                 | 250                          |
| 25  | F   | 160         | 60          | 23.7                                 | 85                       | 0.82            | 120                             | 80                                  | 200                          |
| 30  | M   | 170         | 80          | 27.7                                 | 100                      | 0.88            | 180                             | 120                                 | 300                          |
| 35  | F   | 165         | 70          | 25.5                                 | 90                       | 0.84            | 140                             | 90                                  | 230                          |
| 40  | M   | 172         | 85          | 28.5                                 | 105                      | 0.90            | 200                             | 130                                 | 330                          |
| 45  | F   | 162         | 65          | 25.3                                 | 88                       | 0.83            | 130                             | 85                                  | 215                          |
| 50  | M   | 170         | 90          | 31.1                                 | 110                      | 0.92            | 220                             | 150                                 | 370                          |
| 55  | F   | 160         | 70          | 27.5                                 | 92                       | 0.86            | 160                             | 100                                 | 260                          |
| 60  | M   | 168         | 85          | 30.1                                 | 108                      | 0.91            | 210                             | 140                                 | 350                          |
| 65  | F   | 158         | 68          | 27.2                                 | 90                       | 0.87            | 150                             | 95                                  | 245                          |
| 70  | M   | 165         | 80          | 29.4                                 | 102                      | 0.93            | 190                             | 120                                 | 310                          |
| 75  | F   | 155         | 65          | 26.5                                 | 85                       | 0.85            | 140                             | 80                                  | 220                          |
| 80  | M   | 160         | 75          | 29.3                                 | 98                       | 0.94            | 170                             | 110                                 | 280                          |
| 85  | F   | 150         | 60          | 26.7                                 | 80                       | 0.84            | 130                             | 70                                  | 200                          |
| 90  | M   | 155         | 70          | 29.7                                 | 95                       | 0.95            | 160                             | 100                                 | 260                          |
| 95  | F   | 145         | 55          | 26.2                                 | 75                       | 0.83            | 120                             | 60                                  | 180                          |
| 100 | M   | 150         | 65          | 29.3                                 | 90                       | 0.96            | 150                             | 90                                  | 240                          |

$$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx = \frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx + \frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx + \dots$$
[illegible][illegible][illegible]
$$\left( \frac{1}{\sqrt{2\pi}} \frac{1}{\sqrt{1-\rho^2}} \exp \left( -\frac{1}{2(1-\rho^2)} \left( x^2 - 2\rho xy + y^2 \right) \right) \right) \frac{1}{\sqrt{2\pi}} \exp \left( -\frac{y^2}{2} \right)$$
[illegible]
$$\left( \frac{1}{\pi} \log \frac{\sqrt{1 + \lambda^2}}{\lambda} \right) \left( \frac{1}{\pi} \log \frac{\sqrt{1 + \mu^2}}{\mu} \right)$$

**Figure 1**

**Figure 1**

[illegible]

$$\frac{1}{\Gamma(1-\alpha)} \int_0^t (t-s)^{-\alpha} f(s) ds, \quad \alpha \in (0, 1), \quad t \in [0, T].$$











[illegible][illegible]

— 100 —

[illegible]
$$\frac{d}{dt} \left( \frac{1}{\rho} \right) = - \frac{1}{\rho^2} \frac{d\rho}{dt}$$
$$\frac{d}{dt} \left( \frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$$

**Figure 1** The effect of the number of nodes on the performance of the proposed algorithm.

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Figure 1. The effect of the number of trials on the number of correct responses. The number of correct responses was significantly higher for the 10 trials condition than for the 5 trials condition. Error bars represent the standard error of the mean.

**Abstract**

$$-\frac{1}{2} \frac{d}{dt} \left( \frac{1}{\rho} \frac{d\rho}{dt} \right) = \frac{1}{2} \frac{d}{dt} \left( \frac{1}{\rho} \frac{d\rho}{dt} \right)$$

| Age Group | Not at all | Somewhat | A fair amount | A great deal | Don't know |
|-----------|------------|----------|---------------|--------------|------------|
| 18-24     | 25%        | 15%      | 10%           | 5%           | 45%        |
| 25-34     | 15%        | 20%      | 25%           | 35%          | 5%         |
| 35-44     | 10%        | 25%      | 30%           | 25%          | 10%        |
| 45-54     | 5%         | 20%      | 35%           | 30%          | 10%        |
| 55-64     | 5%         | 15%      | 30%           | 35%          | 15%        |
| 65+       | 5%         | 10%      | 25%           | 35%          | 25%        |

2012年12月15日

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Figure 1 is a 3D bar chart illustrating the distribution of cases across different age groups and sexes. The x-axis represents age groups from 0-4 to 95-99. The y-axis represents sex (Male, Female). The z-axis represents the number of cases, ranging from 0 to 100. The chart shows a general trend of decreasing cases with increasing age, with a notable peak in the 10-14 age group for both sexes.

$$G_1 \xrightarrow{\alpha_1} G_2 \xrightarrow{\alpha_2} G_3 \xrightarrow{\alpha_3} G_4 \xrightarrow{\alpha_4} G_5 \xrightarrow{\alpha_5} G_6 \xrightarrow{\alpha_6} G_7 \xrightarrow{\alpha_7} G_8 \xrightarrow{\alpha_8} G_9 \xrightarrow{\alpha_9} G_{10}$$

1000

www.bentley.com

Figure 1. The effect of the number of trials on the number of correct responses. The number of correct responses was plotted against the number of trials for each condition. The error bars represent the standard error of the mean.

**☆——☆ ☆☆☆☆**

Figure 1 is a 3D bar chart illustrating the distribution of cases across different age groups and sexes. The x-axis represents age groups from 0-4 to 95-99. The y-axis represents sex (Male, Female). The z-axis represents the number of cases, ranging from 0 to 100. The chart shows a general trend of decreasing cases with increasing age, with a notable peak in the 15-19 age group for both sexes.

$$\frac{1}{\sqrt{2}} \left( \frac{\partial}{\partial x} + i \frac{\partial}{\partial y} \right) = \frac{1}{\sqrt{2}} \left( \frac{\partial}{\partial r} - i \frac{1}{r} \frac{\partial}{\partial \theta} \right)$$

Figure 1. The effect of the number of trials on the number of correct responses. The number of correct responses was plotted against the number of trials for each condition. The number of correct responses increased with the number of trials for all conditions. The number of correct responses was highest for the condition with the highest number of trials (10 trials) and lowest for the condition with the lowest number of trials (2 trials).

[illegible]









**Abstract:** *Staphylococcus aureus* is a leading cause of nosocomial infection. The purpose of this study was to determine the prevalence of *S. aureus* in the hospital environment and to identify risk factors for colonization. A total of 100 samples were collected from various hospital environments. The results showed that 60% of the samples were positive for *S. aureus*. The highest prevalence was found in the intensive care unit (ICU) and the operating room. Risk factors for colonization included contact with medical equipment, contact with healthcare workers, and contact with other patients. The study highlights the importance of infection control measures in the hospital environment.

[illegible]
$$-\frac{1}{\pi} \int_0^{2\pi} f(\theta) d\theta = -\frac{1}{\pi} \int_0^{2\pi} f(\theta + 2\pi k) d\theta$$













**Abstract**—The purpose of this study was to determine the effect of a 10-week training program on the heart rate (HR) and energy expenditure (EE) of sedentary, middle-aged women. The subjects were randomly assigned to a control group (CG) and an exercise group (EG). The EG performed a 10-week training program consisting of three sessions per week. The CG did not exercise. The HR and EE were measured at rest and during a 30-min walk and a 30-min run. The EG showed a significant decrease in HR and a significant increase in EE during the 30-min walk and 30-min run. The CG showed no significant change in HR and EE. The results of this study suggest that a 10-week training program can improve the HR and EE of sedentary, middle-aged women.

$$W_{\text{eff}} = \frac{W}{1 + \frac{W}{W_0}}$$

1. The following are the main types of















1. *Journal of the American Medical Association*, 1997; 277: 1039-1043.

Figure 1. The effect of the number of trials on the number of correct responses. The number of correct responses was plotted against the number of trials for each condition. The number of correct responses increased with the number of trials for all conditions. The number of correct responses was highest for the condition with the highest number of trials (10 trials) and lowest for the condition with the lowest number of trials (2 trials).

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

Figure 1 is a bar chart showing the percentage of respondents for each age group (18-24, 25-34, 35-44, 45-54, 55-64, 65+) across five categories: Total, Male, Female, Male, and Female. The y-axis represents the percentage of respondents, ranging from 0 to 100. The x-axis labels are Total, Male, Female, Male, and Female. The legend indicates that the bars represent the percentage of respondents for each age group.

| Category | 18-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65+ |
|----------|-------|-------|-------|-------|-------|-----|
| Total    | 15    | 25    | 20    | 20    | 15    | 5   |
| Male     | 15    | 25    | 20    | 20    | 15    | 5   |
| Female   | 15    | 25    | 20    | 20    | 15    | 5   |
| Male     | 15    | 25    | 20    | 20    | 15    | 5   |
| Female   | 15    | 25    | 20    | 20    | 15    | 5   |

**Table 1**

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[illegible]

[illegible][illegible]

**Abstract**

**Abstract**


 UNIVERSITY OF MICHIGAN PRESS

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|--|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
|--|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|

[illegible]
$$\frac{1}{\sqrt{2\pi}} \int_{-\infty}^{\infty} \frac{1}{\sqrt{1+x^2}} e^{-\frac{1}{2}x^2} dx = 1$$
$$\frac{1}{\Gamma(\alpha)} \int_0^t (t-\tau)^{\alpha-1} f(\tau) d\tau = I^\alpha f(t),$$
$$\frac{1}{\Gamma(\alpha)} \int_0^t (t-\tau)^{\alpha-1} \tau^{\alpha-1} d\tau = \frac{1}{\Gamma(\alpha)} \int_0^1 (1-\tau)^{\alpha-1} \tau^{\alpha-1} d\tau = \frac{1}{\Gamma(\alpha)} \frac{\Gamma(\alpha)\Gamma(\alpha)}{\Gamma(2\alpha)} = \frac{\Gamma(\alpha)}{\Gamma(2\alpha)}.$$



[illegible]

$\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$        $\frac{1}{3} \times \frac{1}{4} = \frac{1}{12}$        $\frac{1}{4} \times \frac{1}{5} = \frac{1}{20}$        $\frac{1}{5} \times \frac{1}{6} = \frac{1}{30}$   
 $\frac{1}{6} \times \frac{1}{7} = \frac{1}{42}$        $\frac{1}{7} \times \frac{1}{8} = \frac{1}{56}$        $\frac{1}{8} \times \frac{1}{9} = \frac{1}{72}$        $\frac{1}{9} \times \frac{1}{10} = \frac{1}{90}$

$\frac{1}{10} \times \frac{1}{11} = \frac{1}{110}$        $\frac{1}{11} \times \frac{1}{12} = \frac{1}{132}$        $\frac{1}{12} \times \frac{1}{13} = \frac{1}{156}$        $\frac{1}{13} \times \frac{1}{14} = \frac{1}{182}$   
 $\frac{1}{14} \times \frac{1}{15} = \frac{1}{210}$        $\frac{1}{15} \times \frac{1}{16} = \frac{1}{240}$        $\frac{1}{16} \times \frac{1}{17} = \frac{1}{272}$        $\frac{1}{17} \times \frac{1}{18} = \frac{1}{306}$

$\frac{1}{18} \times \frac{1}{19} = \frac{1}{342}$        $\frac{1}{19} \times \frac{1}{20} = \frac{1}{380}$        $\frac{1}{20} \times \frac{1}{21} = \frac{1}{420}$        $\frac{1}{21} \times \frac{1}{22} = \frac{1}{462}$   
 $\frac{1}{22} \times \frac{1}{23} = \frac{1}{506}$        $\frac{1}{23} \times \frac{1}{24} = \frac{1}{552}$        $\frac{1}{24} \times \frac{1}{25} = \frac{1}{600}$        $\frac{1}{25} \times \frac{1}{26} = \frac{1}{650}$

$\frac{1}{26} \times \frac{1}{27} = \frac{1}{702}$        $\frac{1}{27} \times \frac{1}{28} = \frac{1}{756}$        $\frac{1}{28} \times \frac{1}{29} = \frac{1}{812}$        $\frac{1}{29} \times \frac{1}{30} = \frac{1}{870}$   
 $\frac{1}{30} \times \frac{1}{31} = \frac{1}{930}$        $\frac{1}{31} \times \frac{1}{32} = \frac{1}{992}$        $\frac{1}{32} \times \frac{1}{33} = \frac{1}{1056}$        $\frac{1}{33} \times \frac{1}{34} = \frac{1}{1122}$

$\frac{1}{34} \times \frac{1}{35} = \frac{1}{1190}$        $\frac{1}{35} \times \frac{1}{36} = \frac{1}{1260}$        $\frac{1}{36} \times \frac{1}{37} = \frac{1}{1332}$        $\frac{1}{37} \times \frac{1}{38} = \frac{1}{1406}$   
 $\frac{1}{38} \times \frac{1}{39} = \frac{1}{1482}$        $\frac{1}{39} \times \frac{1}{40} = \frac{1}{1560}$        $\frac{1}{40} \times \frac{1}{41} = \frac{1}{1640}$        $\frac{1}{41} \times \frac{1}{42} = \frac{1}{1722}$

$\frac{1}{42} \times \frac{1}{43} = \frac{1}{1806}$        $\frac{1}{43} \times \frac{1}{44} = \frac{1}{1892}$        $\frac{1}{44} \times \frac{1}{45} = \frac{1}{1980}$        $\frac{1}{45} \times \frac{1}{46} = \frac{1}{2070}$   
 $\frac{1}{46} \times \frac{1}{47} = \frac{1}{2162}$        $\frac{1}{47} \times \frac{1}{48} = \frac{1}{2256}$        $\frac{1}{48} \times \frac{1}{49} = \frac{1}{2352}$        $\frac{1}{49} \times \frac{1}{50} = \frac{1}{2450}$

$\frac{1}{50} \times \frac{1}{51} = \frac{1}{2550}$        $\frac{1}{51} \times \frac{1}{52} = \frac{1}{2652}$        $\frac{1}{52} \times \frac{1}{53} = \frac{1}{2756}$        $\frac{1}{53} \times \frac{1}{54} = \frac{1}{2862}$   
 $\frac{1}{54} \times \frac{1}{55} = \frac{1}{2970}$        $\frac{1}{55} \times \frac{1}{56} = \frac{1}{3080}$        $\frac{1}{56} \times \frac{1}{57} = \frac{1}{3192}$        $\frac{1}{57} \times \frac{1}{58} = \frac{1}{3306}$

$\frac{1}{58} \times \frac{1}{59} = \frac{1}{3422}$        $\frac{1}{59} \times \frac{1}{60} = \frac{1}{3540}$        $\frac{1}{60} \times \frac{1}{61} = \frac{1}{3660}$        $\frac{1}{61} \times \frac{1}{62} = \frac{1}{3782}$   
 $\frac{1}{62} \times \frac{1}{63} = \frac{1}{3906}$        $\frac{1}{63} \times \frac{1}{64} = \frac{1}{4032}$        $\frac{1}{64} \times \frac{1}{65} = \frac{1}{4160}$        $\frac{1}{65} \times \frac{1}{66} = \frac{1}{4290}$

$\frac{1}{66} \times \frac{1}{67} = \frac{1}{4422}$        $\frac{1}{67} \times \frac{1}{68} = \frac{1}{4556}$        $\frac{1}{68} \times \frac{1}{69} = \frac{1}{4692}$        $\frac{1}{69} \times \frac{1}{70} = \frac{1}{4830}$   
 $\frac{1}{70} \times \frac{1}{71} = \frac{1}{4970}$        $\frac{1}{71} \times \frac{1}{72} = \frac{1}{5112}$        $\frac{1}{72} \times \frac{1}{73} = \frac{1}{5256}$        $\frac{1}{73} \times \frac{1}{74} = \frac{1}{5402}$

$\frac{1}{74} \times \frac{1}{75} = \frac{1}{5550}$        $\frac{1}{75} \times \frac{1}{76} = \frac{1}{5700}$        $\frac{1}{76} \times \frac{1}{77} = \frac{1}{5852}$        $\frac{1}{77} \times \frac{1}{78} = \frac{1}{6006}$   
 $\frac{1}{78} \times \frac{1}{79} = \frac{1}{6162}$        $\frac{1}{79} \times \frac{1}{80} = \frac{1}{6320}$        $\frac{1}{80} \times \frac{1}{81} = \frac{1}{6480}$        $\frac{1}{81} \times \frac{1}{82} = \frac{1}{6642}$











“Kaiser des Reichs, Herrscher des Reichs.”

Weg der

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THEOREM 2. Let  $f(x)$  be a function of  $x$  such that

$$f(x) = \sum_{n=0}^{\infty} a_n x^n \quad (1)$$

$$f(x) = \sum_{n=0}^{\infty} b_n x^n \quad (2)$$

$$f(x) = \sum_{n=0}^{\infty} c_n x^n \quad (3)$$

$$f(x) = \sum_{n=0}^{\infty} d_n x^n \quad (4)$$

$$f(x) = \sum_{n=0}^{\infty} e_n x^n \quad (5)$$

$$f(x) = \sum_{n=0}^{\infty} f_n x^n \quad (6)$$

$$f(x) = \sum_{n=0}^{\infty} g_n x^n \quad (7)$$

$$f(x) = \sum_{n=0}^{\infty} h_n x^n \quad (8)$$

$$f(x) = \sum_{n=0}^{\infty} i_n x^n \quad (9)$$

$$f(x) = \sum_{n=0}^{\infty} j_n x^n \quad (10)$$



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the following table, showing the number of cases of smallpox reported in the several States, during the year 1899.

The following table shows the number of cases of smallpox reported in the several States, during the year 1900.

The following table shows the number of cases of smallpox reported in the several States, during the year 1901.

The following table shows the number of cases of smallpox reported in the several States, during the year 1902.

The following table shows the number of cases of smallpox reported in the several States, during the year 1903.

The following table shows the number of cases of smallpox reported in the several States, during the year 1904.

The following table shows the number of cases of smallpox reported in the several States, during the year 1905.

The following table shows the number of cases of smallpox reported in the several States, during the year 1906.

The following table shows the number of cases of smallpox reported in the several States, during the year 1907.

The following table shows the number of cases of smallpox reported in the several States, during the year 1908.

$$\frac{1}{2} \times \frac{1}{3} = \frac{1 \times 1}{2 \times 3} = \frac{1}{6}$$

$$\frac{1}{3} \times \frac{2}{3} = \frac{1 \times 2}{3 \times 3} = \frac{2}{9}$$

$$\frac{2}{3} \times \frac{1}{3} = \frac{2 \times 1}{3 \times 3} = \frac{2}{9}$$

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$$\frac{1}{\sqrt{2}} \begin{pmatrix} 1 & 1 \\ 1 & -1 \end{pmatrix} \frac{1}{\sqrt{2}} \begin{pmatrix} 1 & 1 \\ 1 & -1 \end{pmatrix} \frac{1}{\sqrt{2}} \begin{pmatrix} 1 & 1 \\ 1 & -1 \end{pmatrix} \frac{1}{\sqrt{2}} \begin{pmatrix} 1 & 1 \\ 1 & -1 \end{pmatrix} = I$$
[illegible]
$$\left( \frac{1}{\sqrt{2\pi}} \int_{-\infty}^{\infty} e^{-\frac{1}{2}x^2} dx \right)^2 = 1$$

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[illegible]
$$\frac{d}{dt} \left( \frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}, \quad \frac{d}{dt} \left( \frac{\partial L}{\partial \dot{y}} \right) = \frac{\partial L}{\partial y}$$
$$\frac{1}{\sqrt{2\pi}} \int_{-\infty}^{\infty} \frac{1}{\sqrt{1+x^2}} e^{-\frac{1}{2}x^2} dx = \frac{1}{\sqrt{2\pi}} \int_{-\infty}^{\infty} \frac{1}{\sqrt{1+x^2}} e^{-\frac{1}{2}x^2} dx$$

1. *Staphylococcus aureus* 2. *Staphylococcus epidermidis* 3. *Staphylococcus saprophyticus* 4. *Staphylococcus carnosus* 5. *Staphylococcus sciuri* 6. *Staphylococcus hyicus* 7. *Staphylococcus epidermidis* 8. *Staphylococcus aureus* 9. *Staphylococcus aureus* 10. *Staphylococcus aureus* 11. *Staphylococcus aureus* 12. *Staphylococcus aureus* 13. *Staphylococcus aureus* 14. *Staphylococcus aureus* 15. *Staphylococcus aureus* 16. *Staphylococcus aureus* 17. *Staphylococcus aureus* 18. *Staphylococcus aureus* 19. *Staphylococcus aureus* 20. *Staphylococcus aureus* 21. *Staphylococcus aureus* 22. *Staphylococcus aureus* 23. *Staphylococcus aureus* 24. *Staphylococcus aureus* 25. *Staphylococcus aureus* 26. *Staphylococcus aureus* 27. *Staphylococcus aureus* 28. *Staphylococcus aureus* 29. *Staphylococcus aureus* 30. *Staphylococcus aureus* 31. *Staphylococcus aureus* 32. *Staphylococcus aureus* 33. *Staphylococcus aureus* 34. *Staphylococcus aureus* 35. *Staphylococcus aureus* 36. *Staphylococcus aureus* 37. *Staphylococcus aureus* 38. *Staphylococcus aureus* 39. *Staphylococcus aureus* 40. *Staphylococcus aureus* 41. *Staphylococcus aureus* 42. *Staphylococcus aureus* 43. *Staphylococcus aureus* 44. *Staphylococcus aureus* 45. *Staphylococcus aureus* 46. *Staphylococcus aureus* 47. *Staphylococcus aureus* 48. *Staphylococcus aureus* 49. *Staphylococcus aureus* 50. *Staphylococcus aureus* 51. *Staphylococcus aureus* 52. *Staphylococcus aureus* 53. *Staphylococcus aureus* 54. *Staphylococcus aureus* 55. *Staphylococcus aureus* 56. *Staphylococcus aureus* 57. *Staphylococcus aureus* 58. *Staphylococcus aureus* 59. *Staphylococcus aureus* 60. *Staphylococcus aureus* 61. *Staphylococcus aureus* 62. *Staphylococcus aureus* 63. *Staphylococcus aureus* 64. *Staphylococcus aureus* 65. *Staphylococcus aureus* 66. *Staphylococcus aureus* 67. *Staphylococcus aureus* 68. *Staphylococcus aureus* 69. *Staphylococcus aureus* 70. *Staphylococcus aureus* 71. *Staphylococcus aureus* 72. *Staphylococcus aureus* 73. *Staphylococcus aureus* 74. *Staphylococcus aureus* 75. *Staphylococcus aureus* 76. *Staphylococcus aureus* 77. *Staphylococcus aureus* 78. *Staphylococcus aureus* 79. *Staphylococcus aureus* 80. *Staphylococcus aureus* 81. *Staphylococcus aureus* 82. *Staphylococcus aureus* 83. *Staphylococcus aureus* 84. *Staphylococcus aureus* 85. *Staphylococcus aureus* 86. *Staphylococcus aureus* 87. *Staphylococcus aureus* 88. *Staphylococcus aureus* 89. *Staphylococcus aureus* 90. *Staphylococcus aureus* 91. *Staphylococcus aureus* 92. *Staphylococcus aureus* 93. *Staphylococcus aureus* 94. *Staphylococcus aureus* 95. *Staphylococcus aureus* 96. *Staphylococcus aureus* 97. *Staphylococcus aureus* 98. *Staphylococcus aureus* 99. *Staphylococcus aureus* 100. *Staphylococcus aureus*

**— Uppgärning —**

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1. *What is the main purpose of the study?*  
 2. *What are the research objectives?*  
 3. *What is the research methodology?*  
 4. *What are the results of the study?*  
 5. *What are the conclusions of the study?*  
 6. *What are the limitations of the study?*  
 7. *What are the implications of the study?*  
 8. *What are the future research directions?*  
 9. *What are the contributions of the study?*  
 10. *What are the key findings of the study?*

$\frac{d}{dt} \left( \frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$




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**Figure 6**

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$$\frac{d}{dt} \left( \frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}, \quad \frac{d}{dt} \left( \frac{\partial L}{\partial \dot{y}} \right) = \frac{\partial L}{\partial y}$$
[illegible]

$\frac{1}{2} \left( \frac{1}{2} + \frac{1}{2} \right) = \frac{1}{2}$

[illegible]

Mathematics 2020, 8, 100

[illegible]

1. **Identify the main components of the system.**

[illegible]

$$\sqrt{\frac{1}{n} \sum_{j=1}^n \left( \frac{y_j - \bar{y}}{s_y} \right)^2} = \sqrt{\frac{1}{n} \sum_{j=1}^n \left( \frac{y_j - \bar{y}}{s_y} \right)^2}$$

[illegible]

$$\left( \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \right) \left( \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \right)$$

1. *What is the purpose of the study?*  
 2. *What are the research questions or hypotheses?*  
 3. *What is the study design?*  
 4. *What are the variables?*  
 5. *What are the data sources?*  
 6. *What are the data collection methods?*  
 7. *What are the data analysis methods?*  
 8. *What are the results?*  
 9. *What are the conclusions?*  
 10. *What are the limitations?*  
 11. *What are the implications?*  
 12. *What are the future research directions?*

$$V_{\text{eff}} = \frac{1}{2} \left( \frac{1}{\mu} \frac{d^2 U}{dr^2} - \frac{L^2}{2\mu r^2} \right) \quad (1)$$

[illegible]

Figure 1     Flowchart illustrating the process of identifying and selecting articles for the review.

$$\frac{1}{\sqrt{\pi}} \int_0^{\infty} \frac{e^{-x^2}}{x^2} dx = \frac{1}{\sqrt{\pi}} \left( \frac{1}{x} + \int_0^{\infty} \frac{e^{-x^2}}{x^2} dx \right) = \frac{1}{\sqrt{\pi}} \left( \frac{1}{x} + \frac{1}{x} + \frac{1}{x} + \dots \right)$$
[illegible]
$$\frac{2}{3} + \frac{2}{3} \times \frac{2}{3} + \frac{2}{3} \times \frac{2}{3} \times \frac{2}{3} + \frac{2}{3} \times \frac{2}{3} \times \frac{2}{3} \times \frac{2}{3} + \dots$$
$$\frac{1}{\sqrt{\pi}} \int_0^{\infty} \frac{e^{-x^2}}{x^2} dx = \frac{1}{\sqrt{\pi}} \left( \frac{1}{x} - \frac{1}{x^3} \right) \Big|_0^{\infty} = \frac{1}{\sqrt{\pi}} \left( \frac{1}{0} - \frac{1}{0} \right)$$
[illegible]

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 $\frac{1}{x^{65}} = x^{-65}$ ,  $\frac{d}{dx} x^{-65} = -65x^{-66} = -\frac{65}{x^{66}}$   
 $\frac{1}{x^{66}} = x^{-66}$ ,  $\frac{d}{dx} x^{-66} = -66x^{-67} = -\frac{66}{x^{67}}$   
 $\frac{1}{x^{67}} = x^{-67}$ ,  $\frac{d}{dx} x^{-67} = -67x^{-68} = -\frac{67}{x^{68}}$   
 $\frac{1}{x^{68}} = x^{-68}$ ,  $\frac{d}{dx} x^{-68} = -68x^{-69} = -\frac{68}{x^{69}}$   
 $\frac{1}{x^{69}} = x^{-69}$ ,  $\frac{d}{dx} x^{-69} = -69x^{-70} = -\frac{69}{x^{70}}$

[illegible]

**Abstract**

[illegible]
$$\frac{d}{dt} \left( \frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$$
$$\frac{d}{dt} \left( \frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$$
$$\frac{1}{\sqrt{\pi}} \int_0^{\infty} \frac{e^{-x^2}}{x^2} dx = \frac{1}{\sqrt{\pi}} \left( \frac{1}{x} + \int_x^{\infty} \frac{t}{t^3} dt \right) = \frac{1}{\sqrt{\pi}} \left( \frac{1}{x} + \frac{1}{2x} \right) = \frac{3}{2\sqrt{\pi} x}$$
[illegible][illegible]

1. *Journal of the American Medical Association*, 1997; 277: 1039-1043.

[illegible]



















**www.pearsoned.com.au**

[illegible][illegible][illegible][illegible]

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|

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[illegible]

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1.  $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

1. *What is the main purpose of the study?*  
 2. *What are the research objectives?*  
 3. *What is the research methodology?*  
 4. *What are the findings of the study?*  
 5. *What are the conclusions of the study?*  
 6. *What are the limitations of the study?*  
 7. *What are the implications of the study?*  
 8. *What are the future research directions?*  
 9. *What are the contributions of the study?*  
 10. *What are the key words of the study?*

1. The first step is to identify the problem. In this case, the problem is that the system is not working properly.

$$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$$
[illegible][illegible]

*Journal of Management Inquiry* 18(6)

[illegible]
$$\frac{d}{dt} \left( \frac{1}{2} m \dot{x}^2 \right) = \frac{d}{dt} \left( \frac{1}{2} m \dot{y}^2 \right) = \frac{d}{dt} \left( \frac{1}{2} m \dot{z}^2 \right)$$
[illegible]

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1 2 3 4 5 6 7 8 9 10 11 12

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1 2 3 4 5 6 7 8 9 10 11 12

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the first of these is the *Journal of the Royal Society of Medicine*, which is published weekly, and contains a large amount of original research, and is one of the most valuable sources of information on the progress of medicine.

The second of these is the *British Medical Journal*, which is published weekly, and contains a large amount of original research, and is one of the most valuable sources of information on the progress of medicine.

The third of these is the *Lancet*, which is published weekly, and contains a large amount of original research, and is one of the most valuable sources of information on the progress of medicine.

The fourth of these is the *Medical Times and Gazette*, which is published weekly, and contains a large amount of original research, and is one of the most valuable sources of information on the progress of medicine.

The fifth of these is the *Medical Record*, which is published weekly, and contains a large amount of original research, and is one of the most valuable sources of information on the progress of medicine.

The sixth of these is the *Medical News*, which is published weekly, and contains a large amount of original research, and is one of the most valuable sources of information on the progress of medicine.

The seventh of these is the *Medical Opinion*, which is published weekly, and contains a large amount of original research, and is one of the most valuable sources of information on the progress of medicine.

The eighth of these is the *Medical Record*, which is published weekly, and contains a large amount of original research, and is one of the most valuable sources of information on the progress of medicine.

The ninth of these is the *Medical Record*, which is published weekly, and contains a large amount of original research, and is one of the most valuable sources of information on the progress of medicine.

The tenth of these is the *Medical Record*, which is published weekly, and contains a large amount of original research, and is one of the most valuable sources of information on the progress of medicine.

$$\frac{d}{dt} \left( \frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$$

1. *Pharmaceutical Innovation and the Role of the State*  
 2. *The Impact of Patent Law on Drug Development*  
 3. *The Role of Government in Regulating Pharmaceuticals*  
 4. *The Impact of Health Insurance on Drug Access*  
 5. *The Role of the Pharmaceutical Industry in Public Health*

$$\frac{1}{\sqrt{2}} \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix} \rightarrow \frac{1}{\sqrt{2}} \begin{pmatrix} 1 & 0 \\ 0 & -1 \end{pmatrix} \rightarrow \frac{1}{\sqrt{2}} \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}$$
[illegible]

1. *What is the purpose of the study?*  
 2. *What are the research questions or hypotheses?*  
 3. *What is the study design?*  
 4. *What is the sample size and selection method?*  
 5. *What are the variables being measured?*  
 6. *What are the data collection methods?*  
 7. *What are the results of the study?*  
 8. *What are the conclusions and implications of the study?*

$$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx = \frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx$$

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$$-\frac{1}{2} \frac{d}{dt} \left( \frac{1}{\rho} \right) + \frac{1}{2} \frac{d}{dt} \left( \frac{1}{\rho} \right) = 0$$

1. *Journal of the American Medical Association*, 1997; 277: 103-107.



**Figure 1** The effect of the number of nodes on the performance of the proposed algorithm.

**Figure 1**

$$\sqrt{1} \xrightarrow{1} \frac{1}{2} \xrightarrow{1} \frac{1}{3} \xrightarrow{1} \frac{1}{4} \xrightarrow{1} \frac{1}{5} \xrightarrow{1} \frac{1}{6} \xrightarrow{1} \frac{1}{7} \xrightarrow{1} \frac{1}{8} \xrightarrow{1} \frac{1}{9} \xrightarrow{1} \frac{1}{10}$$

| Year | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 |      |

$$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx = \frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx$$
[illegible]

Figure 1. A schematic diagram of the experimental design. The subjects were divided into two groups: the control group and the experimental group. The control group received a standard training program, while the experimental group received a modified training program. The results of the training program were compared between the two groups.

$$\frac{\partial \ln L}{\partial \alpha} = \sum_{i=1}^n \left( \frac{y_i - \mu_i}{\sigma^2} \right) = 0$$
[illegible]

*(continued)*

REPORTS OF THE BOARD OF DIRECTORS OF THE COMPANY, 1899

The Board of Directors of the Company, in their annual report, have the honor to state that the Company has during the year ended December 31, 1899, been successful in carrying out its policy of expansion and development, and in increasing its production and sales. The Company has also been successful in maintaining its financial position, and in paying dividends to its stockholders. The Board of Directors has the honor to recommend that the Company should continue its policy of expansion and development, and should continue to pay dividends to its stockholders.

Respectfully Submitted,  
The Board of Directors of the Company.

Very Truly Yours,  
The Board of Directors of the Company.

The Board of Directors of the Company, in their annual report, have the honor to state that the Company has during the year ended December 31, 1899, been successful in carrying out its policy of expansion and development, and in increasing its production and sales. The Company has also been successful in maintaining its financial position, and in paying dividends to its stockholders. The Board of Directors has the honor to recommend that the Company should continue its policy of expansion and development, and should continue to pay dividends to its stockholders.



# REPORT & DISCUSSION ON THE STATE OF THE

UNION OF THE SEVERAL STATES OF THE CONFEDERATION

IN THE YEAR 1862

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*Example 1.* Find the sum of the series  $1, 2, 3, 4, 5, 6, 7, 8, 9, 10$ .  
 Here  $n = 10$ ,  $a = 1$ , and  $d = 1$ . Hence

$S_n = \frac{n}{2} [2a + (n-1)d] = \frac{10}{2} [2 + (10-1)1] = 5 [2 + 9] = 5 \times 11 = 55$ .  
 Hence the sum of the series is 55.

*Example 2.* Find the sum of the series  $1, 3, 5, 7, 9, 11, 13, 15, 17, 19$ .  
 Here  $n = 10$ ,  $a = 1$ , and  $d = 2$ . Hence

$S_n = \frac{n}{2} [2a + (n-1)d] = \frac{10}{2} [2 + (10-1)2] = 5 [2 + 18] = 5 \times 20 = 100$ .  
 Hence the sum of the series is 100.

*Example 3.* Find the sum of the series  $1, 4, 9, 16, 25, 36, 49, 64, 81, 100$ .  
 Here  $n = 10$ ,  $a = 1$ , and  $d = 3$ . Hence

$S_n = \frac{n}{2} [2a + (n-1)d] = \frac{10}{2} [2 + (10-1)3] = 5 [2 + 27] = 5 \times 29 = 145$ .  
 Hence the sum of the series is 145.

*Example 4.* Find the sum of the series  $1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15$ .  
 Here  $n = 15$ ,  $a = 1$ , and  $d = 1$ . Hence

$S_n = \frac{n}{2} [2a + (n-1)d] = \frac{15}{2} [2 + (15-1)1] = \frac{15}{2} [2 + 14] = \frac{15}{2} \times 16 = 15 \times 8 = 120$ .  
 Hence the sum of the series is 120.

*Example 5.* Find the sum of the series  $1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 57, 59, 61, 63, 65, 67, 69, 71, 73, 75, 77, 79, 81, 83, 85, 87, 89, 91, 93, 95, 97, 99, 100$ .  
 Here  $n = 100$ ,  $a = 1$ , and  $d = 2$ . Hence

$S_n = \frac{n}{2} [2a + (n-1)d] = \frac{100}{2} [2 + (100-1)2] = 50 [2 + 198] = 50 \times 200 = 10000$ .  
 Hence the sum of the series is 10000.



# APPENDIX

(1)

$$\frac{1}{x^2} = x^{-2} \Rightarrow \frac{d}{dx} x^{-2} = -2x^{-3} = -\frac{2}{x^3}$$

$$\frac{d}{dx} \frac{1}{x^2} = -\frac{2}{x^3}$$

$$\frac{d}{dx} \frac{1}{x^2} = -\frac{2}{x^3}$$

$$\frac{d}{dx} \frac{1}{x^2} = -\frac{2}{x^3}$$

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$$\frac{d}{dx} \frac{1}{x^2} = -\frac{2}{x^3}$$





$\frac{1}{2} \times \frac{1}{2}$  cm. The number of eggs per gram of faeces was determined by the flotation method (FLOTAC) (FLOTAC, Merck, Darmstadt, Germany) (10). The faecal samples were examined by the FLOTAC method (10).

The faecal samples were examined by the FLOTAC method (10). The faecal samples were examined by the FLOTAC method (10). The faecal samples were examined by the FLOTAC method (10). The faecal samples were examined by the FLOTAC method (10).

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**Werner - Germany**

1. What is the purpose of the study? to determine the effect of  
 2. the use of a computer program on the learning of  
 3. the English language.

1. What is the purpose of the study?  
 2. What are the research objectives?  
 3. What is the research methodology?  
 4. What are the results of the study?  
 5. What are the conclusions of the study?  
 6. What are the limitations of the study?  
 7. What are the implications of the study?  
 8. What are the future research directions?  
 9. What are the contributions of the study?  
 10. What are the key findings of the study?

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**Abstract**

1. *Journal of the American Medical Association*, 1997; 277: 1001-1005.

10. The above findings suggest that the following



$$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx = \frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx$$
$$P(\mathbf{y}) = \frac{1}{2\pi} \exp\left\{-\frac{1}{2} \mathbf{y}^T \mathbf{A} \mathbf{y}\right\}, \quad \mathbf{y} = \begin{pmatrix} y_1 \\ y_2 \end{pmatrix}, \quad \mathbf{A} = \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}.$$
[illegible]
$$\frac{1}{\Gamma(\alpha)} \int_0^t (t-\tau)^{\alpha-1} f(\tau) d\tau = \frac{1}{\Gamma(\alpha)} \int_0^t (t-\tau)^{\alpha-1} f(t-\tau) d\tau$$





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**Figure 1** The effect of the number of nodes on the performance of the proposed algorithm.

$$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx = \frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx$$

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$$\frac{1}{\Gamma(\alpha)} \int_0^t (t-\tau)^{\alpha-1} \frac{d}{d\tau} \left( \frac{1}{\Gamma(\alpha)} \int_0^\tau (\tau-\eta)^{\alpha-1} \frac{d}{d\eta} \left( \frac{1}{\Gamma(\alpha)} \int_0^\eta (\eta-\theta)^{\alpha-1} \frac{d}{d\theta} \left( \frac{1}{\Gamma(\alpha)} \int_0^\theta (\theta-\xi)^{\alpha-1} \frac{d}{d\xi} f(\xi) d\xi \right) d\theta \right) d\eta \right) d\tau = f(t)$$
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**Abstract**

$$\frac{d}{dt} \left( \frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}, \quad \text{for } x \in \mathbb{R}^n.$$
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— *Journal of the American Medical Association*, 1997

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2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527 2528 2529 2530 2531 2532 2533 2534 2535 2536 2537 2538 2539 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 2555 2556 2557 2558 2559 2560 2561 2562 2563 2564 2565 2566 2567 2568 2569 2570 2571 2572 2573 2574 2575 2576 2577 2578 2579 2580 2581 2582 2583 2584 2585 2586 2587 2588 2589 2590 2591 2592 2593 2594 2595 2596 2597 2598 2599 2600 2601 2602 2603 2604 2605 2606 2607 2608 2609 2610 2611 2612 2613 2614 2615 2616 2617 2618 2619 2620 2621 2622 2623 2624 2625 2626 2627 2628 2629 2630 2631 2632 2633 2634 2635 2636 2637 2638 2639 2640 2641 2642 2643 2644 2645 2646 2647 2648 2649 2650 2651 2652 2653 2654 2655 2656 2657 2658 2659 2660 2661 2662 2663 2664 2665 2666 2667 2668 2669 2670 2671 2672 2673 2674 2675 2676 2677 2678 2679 2680 2681 2682 2683 2684 2685 2686 2687 2688 2689 2690 2691 2692 2693 2694 2695 2696 2697 2698 2699 2700 2701 2702 2703 2704 2705 2706 2707 2708 2709 2710 2711 2712 2713 2714 2715 2716 2717 2718 2719 2720 2721 2722 2723 2724 2725 2726 2727 2728 2729 2730 2731 2732 2733 2734 2735 2736 2737 2738 2739 2740 2741 2742 2743 2744 2745 2746 2747 2748 2749 2750 2751 2752 2753 2754 2755 2756 2757 2758 2759 2760 2761 2762 2763 2764 2765 2766 2767 2768 2769 2770 2771 2772 2773 2774 2775 2776 2777 2778 2779 2780 2781 2782 2783 2784 2785 2786 2787 2788 2789 2790 2791 2792 2793 2794 2795 2796 2797 2798 2799 2800 2801 2802 2803 2804 2805 2806 2807 2808 2809 2810 2811 2812 2813 2814 2815 2816 2817 2

$$\frac{1}{\sqrt{\pi}} \int_0^{\infty} \frac{e^{-x^2}}{x^2} dx = \frac{1}{\sqrt{\pi}}$$

**Figure 1**

**THE UNIVERSITY OF CHICAGO**

1. *Journal of the American Medical Association*, 1997; 277: 103-107.







Myself, my family, and my friends

• **Univariate analysis** – each variable is analysed separately

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1114

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains.

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2014年12月15日

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**Abstract**

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1. *Journal of the American Medical Association*, 283: 2669-2674, 2000.

1. *Journal of the American Medical Association*, 1997; 277: 1039-1043.

1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 26

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...and the *Journal of the American Medical Association* (JAMA) has been the most influential journal in the field of medicine for over a century. The *JAMA* is a peer-reviewed journal that publishes research, clinical practice, and medical education. It is one of the most widely read and cited journals in the world. The *JAMA* is published by the American Medical Association (AMA) and is available online at <http://archgenoph.jama-association.org/>.

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The following examples are intended to illustrate the use of the  
 rule, and to show how the result may be checked by dividing the  
 product by the divisor. The first example is a simple one, and the  
 second is a more complicated one. The third example is a more  
 complicated one, and the fourth is a more complicated one.  
 The fifth example is a more complicated one, and the sixth is a  
 more complicated one. The seventh example is a more complicated  
 one, and the eighth is a more complicated one. The ninth example  
 is a more complicated one, and the tenth is a more complicated  
 one. The eleventh example is a more complicated one, and the  
 twelfth is a more complicated one. The thirteenth example is a  
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# RELIGION, LEARNING AND THE APOTHECARY

THE APOTHECARY'S ART, AS IT IS CALLED, IS A MOST  
ANCIENT AND HONOURABLE PROFESSION, AND ONE  
WHICH HAS BEEN PRACTISED SINCE THE FIRST  
BEGINNINGS OF THE WORLD.

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1. **Author(s)** \_\_\_\_\_

1. *Journal of the American Medical Association*, 2000; 284: 2689-2695.

**Abstract**—The purpose of this study was to determine the effect of a 12-week training program on the heart rate (HR) and heart rate reserve (HRR) of sedentary middle-aged men. The subjects were 15 men, 40 to 50 years old, who had been sedentary for at least 1 year. They were randomly assigned to a 12-week training program or a control group. The training program consisted of three sessions per week of aerobic exercise at 60% to 70% of the maximum HR. The control group did not exercise. The HR and HRR were measured at rest and during a maximal exercise test at baseline and after 12 weeks. The results showed that the training program significantly increased the HR and HRR at rest and during the maximal exercise test. The control group showed no significant changes. The results suggest that a 12-week training program can improve the cardiovascular fitness of sedentary middle-aged men.

1. *Phylogenetic relationships* – The relationships among the taxa are determined using a variety of methods, including morphological characters, molecular data (DNA sequences), and a combination of both. The resulting phylogenetic tree shows the evolutionary relationships and the branching order of the taxa.

— *Journal of the American Medical Association*, 1997

$$\frac{d}{dt} \left( \frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$$
[illegible][illegible]

| Year | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 |
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$$\frac{1}{\Gamma(\alpha)} \int_0^t (t-\tau)^{\alpha-1} \frac{d}{d\tau} \left( \frac{1}{\Gamma(\alpha)} \int_0^\tau (\tau-s)^{\alpha-1} \frac{d}{ds} \left( \frac{1}{\Gamma(\alpha)} \int_0^s (s-u)^{\alpha-1} \frac{d}{du} \left( \frac{1}{\Gamma(\alpha)} \int_0^u (u-v)^{\alpha-1} \frac{d}{dv} f(v) dv \right) ds \right) d\tau \right) dt$$


### Investment and Development Bank

1. *Staphylococcus aureus* (100%)

— *Journal of the American Medical Association*

$$x_1 \rightarrow x_2 \rightarrow \dots \rightarrow x_n \rightarrow x_1$$
[illegible][illegible]

Figure 1. Schematic diagram of the experimental setup.

— *Journal of the American Medical Association*

**Figure 6**

**Abstract**—The purpose of this study was to determine the effect of a 12-week training program on the heart rate (HR) and energy expenditure (EE) of sedentary, middle-aged women. The subjects were randomly assigned to a control group (CON) and an exercise group (EX). The EX group performed a 12-week training program consisting of three sessions per week of aerobic and resistance training. The CON group remained sedentary. The EX group showed a significant increase in HR and EE compared to the CON group. The results suggest that a 12-week training program can improve cardiovascular fitness and increase energy expenditure in sedentary, middle-aged women.

1. *Journal of the American Medical Association*, 2000; 283: 2689-2696.









תאריך: 11/11/2019

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[illegible]

$$\left( \frac{1}{\sqrt{2\pi}} \int_{-\infty}^{\infty} e^{-\frac{1}{2}x^2} dx \right)^2 = 1$$

$$A \xrightarrow{\text{H}_2\text{O}} B \xrightarrow{\text{H}_2\text{SO}_4} C \xrightarrow{\text{NaOH}} D$$

**A**  $\frac{1}{n} \sum_{i=1}^n x_i = \bar{x}$

1. The first part of the document is a title page. It contains the title "THE FIRST PART OF THE HISTORY OF THE REIGN OF HENRY THE SEVENTH" and the author "BY SAMUEL JOHNSON". Below the title, there is a line of text that reads "LONDON: Printed by J. B. 1791."

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1. What is the purpose of the study?  
 2. What are the research questions?  
 3. What is the significance of the study?  
 4. What are the limitations of the study?  
 5. What are the conclusions of the study?

**Figure 6**

ABSTRACTS OF THE PROCEEDINGS OF THE 10TH ANNUAL MEETING OF THE AMERICAN SOCIETY OF CLIMATE ENGINEERS, 1971

1. The first session of the meeting was devoted to the presentation of the papers. The session was held in the morning of the first day of the meeting. The session was held in the morning of the first day of the meeting.

2. The second session of the meeting was devoted to the presentation of the papers. The session was held in the afternoon of the first day of the meeting. The session was held in the afternoon of the first day of the meeting.

3. The third session of the meeting was devoted to the presentation of the papers. The session was held in the morning of the second day of the meeting. The session was held in the morning of the second day of the meeting.

4. The fourth session of the meeting was devoted to the presentation of the papers. The session was held in the afternoon of the second day of the meeting. The session was held in the afternoon of the second day of the meeting.

5. The fifth session of the meeting was devoted to the presentation of the papers. The session was held in the morning of the third day of the meeting. The session was held in the morning of the third day of the meeting.

6. The sixth session of the meeting was devoted to the presentation of the papers. The session was held in the afternoon of the third day of the meeting. The session was held in the afternoon of the third day of the meeting.

7. The seventh session of the meeting was devoted to the presentation of the papers. The session was held in the morning of the fourth day of the meeting. The session was held in the morning of the fourth day of the meeting.

8. The eighth session of the meeting was devoted to the presentation of the papers. The session was held in the afternoon of the fourth day of the meeting. The session was held in the afternoon of the fourth day of the meeting.

9. The ninth session of the meeting was devoted to the presentation of the papers. The session was held in the morning of the fifth day of the meeting. The session was held in the morning of the fifth day of the meeting.

10. The tenth session of the meeting was devoted to the presentation of the papers. The session was held in the afternoon of the fifth day of the meeting. The session was held in the afternoon of the fifth day of the meeting.

The following is a list of the names of the persons who have been  
 in the service of the Government of the State of New York, from  
 the year 1800 to the year 1850, in the office of the  
 Secretary of the State, and who have been in the service of the  
 Government of the State of New York, from the year 1800 to the year  
 1850, in the office of the Secretary of the State.

Thomas de la Motte, Esq., Secretary of the State,  
 from the year 1800 to the year 1850.

The following is a list of the names of the persons who have been  
 in the service of the Government of the State of New York, from  
 the year 1800 to the year 1850, in the office of the  
 Secretary of the State, and who have been in the service of the  
 Government of the State of New York, from the year 1800 to the year  
 1850, in the office of the Secretary of the State.

# ACTIVITIES LEARNING OBJECTIVES

**1.1** The student will be able to identify the different types of activities and their objectives.

**1.2** The student will be able to identify the different types of activities and their objectives.

**1.3** The student will be able to identify the different types of activities and their objectives.

**1.4** The student will be able to identify the different types of activities and their objectives.

**1.5** The student will be able to identify the different types of activities and their objectives.

**1.6** The student will be able to identify the different types of activities and their objectives.

**1.7** The student will be able to identify the different types of activities and their objectives.

**1.8** The student will be able to identify the different types of activities and their objectives.

**1.9** The student will be able to identify the different types of activities and their objectives.

**1.10** The student will be able to identify the different types of activities and their objectives.

**Example 1.** Find the sum of the series  $1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10$ .

$$\begin{aligned} & 1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 \\ &= 10 + 9 + 8 + 7 + 6 + 5 + 4 + 3 + 2 + 1 \\ &= 10 + 9 + 8 + 7 + 6 + 5 + 4 + 3 + 2 + 1 \\ &= 55. \end{aligned}$$

**Example 2.** Find the sum of the series  $1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 + 11 + 12 + 13 + 14 + 15$ .

$$\begin{aligned} & 1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 + 11 + 12 + 13 + 14 + 15 \\ &= 15 + 14 + 13 + 12 + 11 + 10 + 9 + 8 + 7 + 6 + 5 + 4 + 3 + 2 + 1 \\ &= 15 + 14 + 13 + 12 + 11 + 10 + 9 + 8 + 7 + 6 + 5 + 4 + 3 + 2 + 1 \\ &= 120. \end{aligned}$$

**Example 3.** Find the sum of the series  $1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 + 11 + 12 + 13 + 14 + 15 + 16 + 17 + 18 + 19 + 20$ .

$$\begin{aligned} & 1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 + 11 + 12 + 13 + 14 + 15 + 16 + 17 + 18 + 19 + 20 \\ &= 20 + 19 + 18 + 17 + 16 + 15 + 14 + 13 + 12 + 11 + 10 + 9 + 8 + 7 + 6 + 5 + 4 + 3 + 2 + 1 \\ &= 20 + 19 + 18 + 17 + 16 + 15 + 14 + 13 + 12 + 11 + 10 + 9 + 8 + 7 + 6 + 5 + 4 + 3 + 2 + 1 \\ &= 210. \end{aligned}$$

**Example 4.** Find the sum of the series  $1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 + 11 + 12 + 13 + 14 + 15 + 16 + 17 + 18 + 19 + 20 + 21 + 22 + 23 + 24 + 25$ .

$$\begin{aligned} & 1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 + 11 + 12 + 13 + 14 + 15 + 16 + 17 + 18 + 19 + 20 + 21 + 22 + 23 + 24 + 25 \\ &= 25 + 24 + 23 + 22 + 21 + 20 + 19 + 18 + 17 + 16 + 15 + 14 + 13 + 12 + 11 + 10 + 9 + 8 + 7 + 6 + 5 + 4 + 3 + 2 + 1 \\ &= 25 + 24 + 23 + 22 + 21 + 20 + 19 + 18 + 17 + 16 + 15 + 14 + 13 + 12 + 11 + 10 + 9 + 8 + 7 + 6 + 5 + 4 + 3 + 2 + 1 \\ &= 325. \end{aligned}$$

**Example 5.** Find the sum of the series  $1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 + 11 + 12 + 13 + 14 + 15 + 16 + 17 + 18 + 19 + 20 + 21 + 22 + 23 + 24 + 25 + 26 + 27 + 28 + 29 + 30$ .

$$\begin{aligned} & 1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 + 11 + 12 + 13 + 14 + 15 + 16 + 17 + 18 + 19 + 20 + 21 + 22 + 23 + 24 + 25 + 26 + 27 + 28 + 29 + 30 \\ &= 30 + 29 + 28 + 27 + 26 + 25 + 24 + 23 + 22 + 21 + 20 + 19 + 18 + 17 + 16 + 15 + 14 + 13 + 12 + 11 + 10 + 9 + 8 + 7 + 6 + 5 + 4 + 3 + 2 + 1 \\ &= 30 + 29 + 28 + 27 + 26 + 25 + 24 + 23 + 22 + 21 + 20 + 19 + 18 + 17 + 16 + 15 + 14 + 13 + 12 + 11 + 10 + 9 + 8 + 7 + 6 + 5 + 4 + 3 + 2 + 1 \\ &= 465. \end{aligned}$$

**THE FIVE-STAR RATED JOURNAL OF THE FUTURE**

The following table shows the results of the regression analysis for the dependent variable  $\ln Y_{it}$ . The table is divided into two main sections: the top section shows the results for the full sample, and the bottom section shows the results for the subsample of firms that are not in the top 100. The columns represent the different variables included in the regression model. The rows represent the different specifications of the model. The first row shows the results for the full sample, and the subsequent rows show the results for the subsample of firms that are not in the top 100. The variables included in the model are:  $\ln Y_{it}$ ,  $\ln K_{it}$ ,  $\ln L_{it}$ ,  $\ln R_{it}$ ,  $\ln M_{it}$ ,  $\ln S_{it}$ ,  $\ln A_{it}$ ,  $\ln B_{it}$ ,  $\ln C_{it}$ ,  $\ln D_{it}$ ,  $\ln E_{it}$ ,  $\ln F_{it}$ ,  $\ln G_{it}$ ,  $\ln H_{it}$ ,  $\ln I_{it}$ ,  $\ln J_{it}$ ,  $\ln K_{it}$ ,  $\ln L_{it}$ ,  $\ln M_{it}$ ,  $\ln N_{it}$ ,  $\ln O_{it}$ ,  $\ln P_{it}$ ,  $\ln Q_{it}$ ,  $\ln R_{it}$ ,  $\ln S_{it}$ ,  $\ln T_{it}$ ,  $\ln U_{it}$ ,  $\ln V_{it}$ ,  $\ln W_{it}$ ,  $\ln X_{it}$ ,  $\ln Y_{it}$ ,  $\ln Z_{it}$ .

2009-10-26 10:10:00

**Figure 1**

[illegible]

Memorandum of Understanding  
 and Agreement Between  
 the U.S. and the U.S.S.R.

The U.S. and the U.S.S.R. have agreed to  
 II. The U.S. and the U.S.S.R. have agreed to  
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**A**      **B**      **C**

$\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

[illegible]

$$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx = \frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx$$

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**A**


 UNIVERSITY OF MICHIGAN PRESS

1. *Chlorophyll* is a green pigment found in plants and algae. It is responsible for the process of photosynthesis, which converts light energy into chemical energy. The green color of chlorophyll is due to its ability to absorb light in the blue and red regions of the visible spectrum, while reflecting green light.

2. *Chlorophyll* is a complex molecule consisting of a central magnesium atom coordinated by four nitrogen atoms in a porphyrin-like ring. A long phytol chain is attached to the ring, making it hydrophobic.

3. *Chlorophyll* is found in the chloroplasts of plants and the thylakoids of algae. It is essential for the light-dependent reactions of photosynthesis, where it captures light energy and transfers it to other molecules.

4. *Chlorophyll* is a primary pigment in the photosynthetic apparatus. It works in conjunction with other pigments like carotenoids to capture a wide range of light wavelengths.

5. *Chlorophyll* is a key component in the study of plant physiology and environmental science. Its levels and activity can be used as indicators of plant health and environmental conditions.

## Chlorophyll and the Green Revolution

### The Role of Chlorophyll in Plant Growth

Chlorophyll is the primary pigment responsible for capturing light energy during photosynthesis. It is found in the chloroplasts of plants and the thylakoids of algae. The green color of chlorophyll is due to its ability to absorb light in the blue and red regions of the visible spectrum, while reflecting green light.

The process of photosynthesis involves the conversion of light energy into chemical energy. Chlorophyll plays a crucial role in this process by absorbing light and transferring the energy to other molecules. This energy is used to drive the synthesis of glucose from carbon dioxide and water.

Chlorophyll is also involved in the regulation of plant growth. It helps in the development of chloroplasts and the overall structure of the plant. The presence of chlorophyll is a key indicator of plant health and vitality.

The Green Revolution, a period of rapid agricultural advancement, saw significant improvements in crop yields. One of the key factors in this success was the use of high-yielding varieties of crops that contained high levels of chlorophyll. This allowed them to capture more light energy and produce more food.

Chlorophyll is a vital component of the photosynthetic apparatus. It works in conjunction with other pigments like carotenoids to capture a wide range of light wavelengths. The study of chlorophyll and its role in plant growth is essential for understanding the basics of plant physiology and for developing strategies to improve crop production.

1. PROPOSITION 1. Let  $f$  be a function defined on  $[a, b]$  and let  $F$  be a function defined on  $[a, b]$  such that  $F'(x) = f(x)$  for all  $x$  in  $[a, b]$ . Then  $F(b) - F(a) = \int_a^b f(x) dx$ .

2. PROOF. Let  $P$  be a partition of  $[a, b]$  with  $n$  subintervals. Let  $\Delta x_i = x_i - x_{i-1}$  for  $i = 1, 2, \dots, n$ . Then

$$\begin{aligned}
 F(b) - F(a) &= F(x_n) - F(x_0) \\
 &= (F(x_1) - F(x_0)) + (F(x_2) - F(x_1)) + \dots + (F(x_n) - F(x_{n-1})) \\
 &= \sum_{i=1}^n (F(x_i) - F(x_{i-1}))
 \end{aligned}$$

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| Category    | Sub-category    | Value | Unit |
|-------------|-----------------|-------|------|
| Category 1  | Sub-category 1  | 100   | kg   |
| Category 2  | Sub-category 2  | 200   | kg   |
| Category 3  | Sub-category 3  | 300   | kg   |
| Category 4  | Sub-category 4  | 400   | kg   |
| Category 5  | Sub-category 5  | 500   | kg   |
| Category 6  | Sub-category 6  | 600   | kg   |
| Category 7  | Sub-category 7  | 700   | kg   |
| Category 8  | Sub-category 8  | 800   | kg   |
| Category 9  | Sub-category 9  | 900   | kg   |
| Category 10 | Sub-category 10 | 1000  | kg   |

$$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx = \frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx$$
$$\frac{1}{\Gamma(\alpha)} \int_0^t (t-\tau)^{\alpha-1} f(\tau) d\tau = \frac{1}{\Gamma(\alpha)} \int_0^t (t-\tau)^{\alpha-1} f(\tau) d\tau$$
[illegible]
$$\left( \frac{1}{\sqrt{\pi}} \int_0^x e^{-t^2} dt \right)^2 = \frac{1}{\pi} \int_0^x \int_0^x e^{-(t^2+u^2)} dt du$$
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$\sqrt{\frac{a^2 + b^2}{c^2}} = \frac{\sqrt{a^2 + b^2}}{c}$

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### Example 1. Find the value of $\sqrt{\frac{a^2 + b^2}{c^2}}$ when $a = 3$ , $b = 4$ , and $c = 5$ .

$\sqrt{\frac{a^2 + b^2}{c^2}} = \frac{\sqrt{a^2 + b^2}}{c}$

$\sqrt{\frac{a^2 + b^2}{c^2}} = \frac{\sqrt{a^2 + b^2}}{c}$

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$\sqrt{\frac{a^2 + b^2}{c^2}} = \frac{\sqrt{a^2 + b^2}}{c}$







**Abstract** *—* The purpose of this study was to determine the effect of a 12-week, low-intensity, supervised walking program on the physical and psychological health of sedentary, middle-aged women. The study was a randomized, controlled trial. The subjects were 40 sedentary, middle-aged women who were randomly assigned to either a supervised walking program or a control group. The walking program consisted of 12 weeks of supervised walking, 3 times per week, for 30 minutes per session. The control group consisted of 20 women who did not participate in the walking program. The subjects were assessed at baseline and at 12 weeks. The walking program had a significant positive effect on the physical and psychological health of the subjects. The walking program significantly improved the subjects' physical health, as measured by the 6-minute walk test, and their psychological health, as measured by the Beck Depression Inventory and the State-Trait Anxiety Inventory. The walking program also significantly improved the subjects' quality of life, as measured by the SF-36. The walking program had no significant effect on the subjects' weight or body mass index. The results of this study suggest that a 12-week, low-intensity, supervised walking program can improve the physical and psychological health of sedentary, middle-aged women.

...and the fact that the *Journal of Management Studies* is a leading journal in the field of management studies, it is a great pleasure to have this special issue.

**Abstract**—The purpose of this study was to determine the effect of a 12-week training program on the heart rate (HR) and heart rate reserve (HRR) of sedentary middle-aged men. The subjects were divided into two groups: a control group and an exercise group. The exercise group performed a 12-week training program consisting of three sessions per week, each lasting 30 minutes. The control group did not exercise. The HR and HRR were measured at rest and during maximal exercise at the beginning and end of the 12-week period. The results showed that the exercise group had a significant decrease in HR and HRR at rest and during maximal exercise compared to the control group. The control group had no significant change in HR and HRR. The results suggest that a 12-week training program can improve the cardiovascular fitness of sedentary middle-aged men.

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

**Abstract**—The purpose of this study was to determine the effect of a 10-week training program on the heart rate (HR) and heart rate reserve (HRR) of sedentary middle-aged men. The subjects were divided into two groups: a control group and an exercise group. The exercise group performed a 10-week training program consisting of three sessions per week, each lasting 30 minutes. The control group did not exercise. The HR and HRR were measured at rest and during exercise at the beginning and end of the 10-week period. The results showed that the exercise group had a significant decrease in HR and HRR at rest and during exercise compared to the control group. The control group had no significant change in HR and HRR. The results suggest that a 10-week training program can improve the cardiovascular fitness of sedentary middle-aged men.

2010年10月10日 星期六 晴

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| Year | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 |      |

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the 1990s, the number of people in the United States who are 65 years of age or older is projected to increase from 20 million to 35 million, and the number of people 75 years of age or older is projected to increase from 10 million to 17 million (U.S. Census Bureau, 1996).

### Background

1. The first step is to identify the problem. In this case, the problem is that the company is not meeting its sales targets.

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

[illegible]

**Table 1**

1. \_\_\_\_\_ \_\_\_\_\_

1. *Journal of the American Medical Association*, 2000; 283: 2689-2695.

[illegible]

**Figure 1**

$$\frac{1}{\text{area}} \frac{d}{dt} \int_V \rho \, dV = \frac{1}{\text{area}} \left( \frac{1}{\rho} \frac{d\rho}{dt} + \frac{1}{\rho} \frac{d}{dt} \int_V \rho \, dV \right)$$
$$\frac{d}{dt} \left( \frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$$

1. *Handwritten text:* "Handwritten text"

$$\frac{1}{2} \rightarrow \frac{1}{3} \rightarrow \frac{1}{4} \rightarrow \frac{1}{5} \rightarrow \frac{1}{6}$$

**Abstract**





Figure 1

**A** *Staphylococcus aureus* *in vitro* model



[illegible]

The following is a list of the items that have been identified as being of historical interest in the area of the proposed development. The items are listed in the order in which they were identified, and are not necessarily in chronological order. The items are listed in the order in which they were identified, and are not necessarily in chronological order.

# Exhibit 100 - The Historical Resources

May 1, 1994

The following is a list of the items that have been identified as being of historical interest in the area of the proposed development. The items are listed in the order in which they were identified, and are not necessarily in chronological order. The items are listed in the order in which they were identified, and are not necessarily in chronological order.

$\frac{1}{2}$  of the whole, and  $\frac{1}{4}$  of the whole, and  $\frac{1}{8}$  of the whole, and  $\frac{1}{16}$  of the whole, and  $\frac{1}{32}$  of the whole, and  $\frac{1}{64}$  of the whole, and  $\frac{1}{128}$  of the whole, and  $\frac{1}{256}$  of the whole, and  $\frac{1}{512}$  of the whole, and  $\frac{1}{1024}$  of the whole, and  $\frac{1}{2048}$  of the whole, and  $\frac{1}{4096}$  of the whole, and  $\frac{1}{8192}$  of the whole, and  $\frac{1}{16384}$  of the whole, and  $\frac{1}{32768}$  of the whole, and  $\frac{1}{65536}$  of the whole, and  $\frac{1}{131072}$  of the whole, and  $\frac{1}{262144}$  of the whole, and  $\frac{1}{524288}$  of the whole, and  $\frac{1}{1048576}$  of the whole, and  $\frac{1}{2097152}$  of the whole, and  $\frac{1}{4194304}$  of the whole, and  $\frac{1}{8388608}$  of the whole, and  $\frac{1}{16777216}$  of the whole, and  $\frac{1}{33554432}$  of the whole, and  $\frac{1}{67108864}$  of the whole, and  $\frac{1}{134217728}$  of the whole, and  $\frac{1}{268435456}$  of the whole, and  $\frac{1}{536870912}$  of the whole, and  $\frac{1}{1073741824}$  of the whole, and  $\frac{1}{2147483648}$  of the whole, and  $\frac{1}{4294967296}$  of the whole, and  $\frac{1}{8589934592}$  of the whole, and  $\frac{1}{17179869184}$  of the whole, and  $\frac{1}{34359738368}$  of the whole, and  $\frac{1}{68719476736}$  of the whole, and  $\frac{1}{137438953472}$  of the whole, and  $\frac{1}{274877906944}$  of the whole, and  $\frac{1}{549755813888}$  of the whole, and  $\frac{1}{1099511627776}$  of the whole, and  $\frac{1}{2199023255552}$  of the whole, and  $\frac{1}{4398046511104}$  of the whole, and  $\frac{1}{8796093022208}$  of the whole, and  $\frac{1}{17592186044416}$  of the whole, and  $\frac{1}{35184372088832}$  of the whole, and  $\frac{1}{70368744177664}$  of the whole, and  $\frac{1}{140737488355328}$  of the whole, and  $\frac{1}{281474976710656}$  of the whole, and  $\frac{1}{562949953421312}$  of the whole, and  $\frac{1}{1125899906842624}$  of the whole, and  $\frac{1}{2251799813685248}$  of the whole, and  $\frac{1}{4503599627370496}$  of the whole, and  $\frac{1}{9007199254740992}$  of the whole, and  $\frac{1}{18014398509481984}$  of the whole, and  $\frac{1}{36028797018963968}$  of the whole, and  $\frac{1}{72057594037927936}$  of the whole, and  $\frac{1}{144115188075855872}$  of the whole, and  $\frac{1}{288230376151711744}$  of the whole, and  $\frac{1}{576460752303423488}$  of the whole, and  $\frac{1}{1152921504606846976}$  of the whole, and  $\frac{1}{2305843009213693952}$  of the whole, and  $\frac{1}{4611686018427387904}$  of the whole, and  $\frac{1}{9223372036854775808}$  of the whole, and  $\frac{1}{18446744073709551616}$  of the whole, and  $\frac{1}{36893488147419103232}$  of the whole, and  $\frac{1}{73786976294838206464}$  of the whole, and  $\frac{1}{147573952589676412928}$  of the whole, and  $\frac{1}{295147905179352825856}$  of the whole, and  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$\frac{1}{77371252455336267181195264}$  of the whole, and  $\frac{1}{154742504910672534362390528}$  of the whole, and  $\frac{1}{309485009821345068724781056}$  of the whole, and  $\frac{1}{618970019642690137449562112}$  of the whole, and  $\frac{1}{1237940039285380274899124224}$  of the whole, and  $\frac{1}{2475880078570760549798248448}$  of the whole, and  $\frac{1}{4951760157141521099596496896}$  of the whole, and  $\frac{1}{9903520314283042199192993792}$  of the whole, and  $\frac{1}{19807040628566084398385987584}$  of the whole, and  $\frac{1}{39614081257132168796771975168}$  of the whole, and  $\frac{1}{79228162514264337593543950336}$  of the whole, and  $\frac{1}{158456325028528675187087900672}$  of the whole, and  $\frac{1}{316912650057057350374175801344}$  of the whole, and  $\frac{1}{633825300114114700748351602688}$  of the whole, and  $\frac{1}{1267650600228229401496703205376}$  of the whole, and  $\frac{1}{2535301200456458802993406410752}$  of the whole, and  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[illegible]

**Figure 1** The effect of the number of nodes on the accuracy of the proposed algorithm.

[illegible][illegible]












[illegible]
$$\left( \frac{1}{100} \right)^{100} \left( \frac{1}{100} \right)^{100} \left( \frac{1}{100} \right)^{100} \left( \frac{1}{100} \right)^{100} \left( \frac{1}{100} \right)^{100}$$
[illegible]

1. *Journal of Management Education*, 2000, 24(1), 10-19.  
 2. *Journal of Management Education*, 2000, 24(1), 20-31.

[illegible]

[illegible][illegible]
$$\frac{1}{\sqrt{\pi}} \left( \frac{1}{x} - \frac{1}{x+1} \right) = \frac{1}{\sqrt{\pi}} \left( \frac{1}{x} - \frac{1}{x+1} \right)$$
$$\frac{d}{dt} \left( \frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$$
$$V_1 = \frac{1}{\sqrt{2}} \begin{pmatrix} 1 & -i \\ 0 & 1 \end{pmatrix}, V_2 = \frac{1}{\sqrt{2}} \begin{pmatrix} 1 & i \\ 0 & 1 \end{pmatrix}$$
$$\frac{1}{\sqrt{2\pi}} \int_{-\infty}^{\infty} \frac{1}{\sqrt{1+\lambda^2}} e^{-\lambda^2/2} d\lambda = 1$$
$$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx = \frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx$$

1. *What is the purpose of the study?*  
 2. *What are the research objectives?*  
 3. *What is the research methodology?*  
 4. *What are the results of the study?*  
 5. *What are the conclusions of the study?*  
 6. *What are the limitations of the study?*  
 7. *What are the implications of the study?*  
 8. *What are the future research directions?*  
 9. *What are the contributions of the study?*  
 10. *What are the key findings of the study?*

— *Journal of the American Medical Association*, 1997

<sup>a</sup> *Staphylococcus aureus* ATCC 29222.

1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 26

$\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$        $\frac{1}{3} \times \frac{1}{4} = \frac{1}{12}$        $\frac{1}{4} \times \frac{1}{5} = \frac{1}{20}$        $\frac{1}{5} \times \frac{1}{6} = \frac{1}{30}$   
 $\frac{1}{6} \times \frac{1}{7} = \frac{1}{42}$        $\frac{1}{7} \times \frac{1}{8} = \frac{1}{56}$        $\frac{1}{8} \times \frac{1}{9} = \frac{1}{72}$        $\frac{1}{9} \times \frac{1}{10} = \frac{1}{90}$

$\frac{1}{10} \times \frac{1}{11} = \frac{1}{110}$        $\frac{1}{11} \times \frac{1}{12} = \frac{1}{132}$        $\frac{1}{12} \times \frac{1}{13} = \frac{1}{156}$        $\frac{1}{13} \times \frac{1}{14} = \frac{1}{182}$   
 $\frac{1}{14} \times \frac{1}{15} = \frac{1}{210}$        $\frac{1}{15} \times \frac{1}{16} = \frac{1}{240}$        $\frac{1}{16} \times \frac{1}{17} = \frac{1}{272}$        $\frac{1}{17} \times \frac{1}{18} = \frac{1}{306}$

$\frac{1}{18} \times \frac{1}{19} = \frac{1}{342}$        $\frac{1}{19} \times \frac{1}{20} = \frac{1}{380}$        $\frac{1}{20} \times \frac{1}{21} = \frac{1}{420}$        $\frac{1}{21} \times \frac{1}{22} = \frac{1}{462}$   
 $\frac{1}{22} \times \frac{1}{23} = \frac{1}{506}$        $\frac{1}{23} \times \frac{1}{24} = \frac{1}{552}$        $\frac{1}{24} \times \frac{1}{25} = \frac{1}{600}$        $\frac{1}{25} \times \frac{1}{26} = \frac{1}{650}$

$\frac{1}{26} \times \frac{1}{27} = \frac{1}{702}$        $\frac{1}{27} \times \frac{1}{28} = \frac{1}{756}$        $\frac{1}{28} \times \frac{1}{29} = \frac{1}{812}$        $\frac{1}{29} \times \frac{1}{30} = \frac{1}{870}$   
 $\frac{1}{30} \times \frac{1}{31} = \frac{1}{930}$        $\frac{1}{31} \times \frac{1}{32} = \frac{1}{992}$        $\frac{1}{32} \times \frac{1}{33} = \frac{1}{1056}$        $\frac{1}{33} \times \frac{1}{34} = \frac{1}{1122}$

$\frac{1}{34} \times \frac{1}{35} = \frac{1}{1190}$        $\frac{1}{35} \times \frac{1}{36} = \frac{1}{1260}$        $\frac{1}{36} \times \frac{1}{37} = \frac{1}{1332}$        $\frac{1}{37} \times \frac{1}{38} = \frac{1}{1406}$   
 $\frac{1}{38} \times \frac{1}{39} = \frac{1}{1482}$        $\frac{1}{39} \times \frac{1}{40} = \frac{1}{1560}$        $\frac{1}{40} \times \frac{1}{41} = \frac{1}{1640}$        $\frac{1}{41} \times \frac{1}{42} = \frac{1}{1722}$

$\frac{1}{42} \times \frac{1}{43} = \frac{1}{1806}$        $\frac{1}{43} \times \frac{1}{44} = \frac{1}{1892}$        $\frac{1}{44} \times \frac{1}{45} = \frac{1}{1980}$        $\frac{1}{45} \times \frac{1}{46} = \frac{1}{2070}$   
 $\frac{1}{46} \times \frac{1}{47} = \frac{1}{2162}$        $\frac{1}{47} \times \frac{1}{48} = \frac{1}{2256}$        $\frac{1}{48} \times \frac{1}{49} = \frac{1}{2352}$        $\frac{1}{49} \times \frac{1}{50} = \frac{1}{2450}$

$\frac{1}{50} \times \frac{1}{51} = \frac{1}{2550}$        $\frac{1}{51} \times \frac{1}{52} = \frac{1}{2652}$        $\frac{1}{52} \times \frac{1}{53} = \frac{1}{2756}$        $\frac{1}{53} \times \frac{1}{54} = \frac{1}{2862}$   
 $\frac{1}{54} \times \frac{1}{55} = \frac{1}{2970}$        $\frac{1}{55} \times \frac{1}{56} = \frac{1}{3080}$        $\frac{1}{56} \times \frac{1}{57} = \frac{1}{3192}$        $\frac{1}{57} \times \frac{1}{58} = \frac{1}{3306}$

$\frac{1}{58} \times \frac{1}{59} = \frac{1}{3422}$        $\frac{1}{59} \times \frac{1}{60} = \frac{1}{3540}$        $\frac{1}{60} \times \frac{1}{61} = \frac{1}{3660}$        $\frac{1}{61} \times \frac{1}{62} = \frac{1}{3782}$   
 $\frac{1}{62} \times \frac{1}{63} = \frac{1}{3906}$        $\frac{1}{63} \times \frac{1}{64} = \frac{1}{4032}$        $\frac{1}{64} \times \frac{1}{65} = \frac{1}{4160}$        $\frac{1}{65} \times \frac{1}{66} = \frac{1}{4290}$

$\frac{1}{66} \times \frac{1}{67} = \frac{1}{4422}$        $\frac{1}{67} \times \frac{1}{68} = \frac{1}{4556}$        $\frac{1}{68} \times \frac{1}{69} = \frac{1}{4692}$        $\frac{1}{69} \times \frac{1}{70} = \frac{1}{4830}$   
 $\frac{1}{70} \times \frac{1}{71} = \frac{1}{4970}$        $\frac{1}{71} \times \frac{1}{72} = \frac{1}{5112}$        $\frac{1}{72} \times \frac{1}{73} = \frac{1}{5256}$        $\frac{1}{73} \times \frac{1}{74} = \frac{1}{5402}$

$\frac{1}{74} \times \frac{1}{75} = \frac{1}{5550}$        $\frac{1}{75} \times \frac{1}{76} = \frac{1}{5700}$        $\frac{1}{76} \times \frac{1}{77} = \frac{1}{5852}$        $\frac{1}{77} \times \frac{1}{78} = \frac{1}{6006}$   
 $\frac{1}{78} \times \frac{1}{79} = \frac{1}{6162}$        $\frac{1}{79} \times \frac{1}{80} = \frac{1}{6320}$        $\frac{1}{80} \times \frac{1}{81} = \frac{1}{6480}$        $\frac{1}{81} \times \frac{1}{82} = \frac{1}{6642}$

[illegible]



My dear Sir, I have the honor to acknowledge the receipt of your letter of the 10th inst. and in reply to inform you that the same has been forwarded to the proper authorities for their consideration.

I am, Sir, very respectfully, Sir, your obedient servant, J. M. Smith

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$$\frac{1}{2} \times \frac{1}{2} = \frac{1}{4} \quad \frac{1}{3} \times \frac{1}{3} = \frac{1}{9} \quad \frac{1}{4} \times \frac{1}{4} = \frac{1}{16} \quad \frac{1}{5} \times \frac{1}{5} = \frac{1}{25}$$

$$\left( \frac{1}{2} + \frac{1}{3} \right) \times \frac{1}{4} = \frac{1}{4} \times \frac{5}{6} = \frac{5}{24} \quad \left( \frac{1}{3} + \frac{1}{4} \right) \times \frac{1}{5} = \frac{1}{5} \times \frac{7}{12} = \frac{7}{60}$$

$$\left( \frac{1}{2} \times \frac{1}{3} \right) \times \frac{1}{4} = \frac{1}{6} \times \frac{1}{4} = \frac{1}{24} \quad \left( \frac{1}{3} \times \frac{1}{4} \right) \times \frac{1}{5} = \frac{1}{12} \times \frac{1}{5} = \frac{1}{60}$$

$$\left( \frac{1}{2} + \frac{1}{3} \right) \times \frac{1}{4} = \frac{5}{24}$$

Example 2:  $\frac{1}{2} \times \frac{1}{3} \times \frac{1}{4} \times \frac{1}{5} \times \frac{1}{6}$

Solve as follows:

$$\frac{1}{2} \times \frac{1}{3} = \frac{1}{6} \quad \frac{1}{6} \times \frac{1}{4} = \frac{1}{24} \quad \frac{1}{24} \times \frac{1}{5} = \frac{1}{120} \quad \frac{1}{120} \times \frac{1}{6} = \frac{1}{720}$$

∴  $\frac{1}{2} \times \frac{1}{3} \times \frac{1}{4} \times \frac{1}{5} \times \frac{1}{6} = \frac{1}{720}$

$$\frac{1}{2} \times \frac{1}{3} \times \frac{1}{4} \times \frac{1}{5} \times \frac{1}{6} = \frac{1}{720} \quad \frac{1}{3} \times \frac{1}{4} \times \frac{1}{5} \times \frac{1}{6} \times \frac{1}{2} = \frac{1}{720}$$

$$\left( \frac{1}{2} + \frac{1}{3} \right) \times \frac{1}{4} \times \frac{1}{5} \times \frac{1}{6} = \frac{5}{6} \times \frac{1}{120} = \frac{5}{720} = \frac{1}{144}$$

$$\frac{1}{2} \times \left( \frac{1}{3} + \frac{1}{4} \right) \times \frac{1}{5} \times \frac{1}{6} = \frac{1}{2} \times \frac{7}{12} \times \frac{1}{30} = \frac{7}{360}$$

[illegible]



$$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx = \frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx$$

1. *Journal of the American Medical Association*, 1997; 277: 1039-1043.

$$\frac{1}{\sqrt{\pi}} \left( \frac{1}{\sqrt{\pi}} \right)^n = \frac{1}{\sqrt{\pi}^{n+1}}$$
[illegible]
$$\frac{d\mathbf{r}}{dt} = \mathbf{v} = \frac{1}{m} \nabla_{\mathbf{r}} \mathbf{p} = \frac{1}{m} \nabla_{\mathbf{r}} \left( \frac{\partial L}{\partial \mathbf{v}} \right)$$

— 455 —

reception: midges. *Hyd. m. p.c. 10*

**A**

$$\frac{1}{\pi} \int_0^{2\pi} \frac{1}{1 - \frac{1}{2} e^{i\theta}} d\theta = \frac{1}{\pi} \int_0^{2\pi} \frac{1}{1 - \frac{1}{2} (\cos \theta + i \sin \theta)} d\theta$$
$$\frac{1}{\text{rate}} = \frac{1}{k} + \frac{1}{k[\text{I}_2]} \quad \frac{1}{\text{rate}} = \frac{1}{k} + \frac{1}{k[\text{I}_2]}$$

The first of these is the *Journal of the*  
*British Association for the Advancement of Science*  
 which is published annually in London. It is  
 a very important journal, and contains  
 much of the best scientific work of the  
 year. It is published by the British Association  
 for the Advancement of Science, which is  
 a society of scientists and laymen, and  
 is the largest and most influential of the  
 scientific societies in England. It was  
 founded in 1831, and has since that  
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 activity in England. It has been the  
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 done much to advance the cause of  
 science.



1900. *Dictyonpila* *dictyonpila* n. sp. — Length 1.5 mm. — Body white, with a few  
 faint brown spots. — Head with a few brown spots. — Antennae 10-segmented.  
 1901. *Dictyonpila* *dictyonpila* n. sp. — Length 1.5 mm. — Body white, with a few  
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 1902. *Dictyonpila* *dictyonpila* n. sp. — Length 1.5 mm. — Body white, with a few  
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 1903. *Dictyonpila* *dictyonpila* n. sp. — Length 1.5 mm. — Body white, with a few  
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 1904. *Dictyonpila* *dictyonpila* n. sp. — Length 1.5 mm. — Body white, with a few  
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 1905. *Dictyonpila* *dictyonpila* n. sp. — Length 1.5 mm. — Body white, with a few  
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 1906. *Dictyonpila* *dictyonpila* n. sp. — Length 1.5 mm. — Body white, with a few  
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 1907. *Dictyonpila* *dictyonpila* n. sp. — Length 1.5 mm. — Body white, with a few  
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 1908. *Dictyonpila* *dictyonpila* n. sp. — Length 1.5 mm. — Body white, with a few  
 faint brown spots. — Head with a few brown spots. — Antennae 10-segmented.  
 1909. *Dictyonpila* *dictyonpila* n. sp. — Length 1.5 mm. — Body white, with a few  
 faint brown spots. — Head with a few brown spots. — Antennae 10-segmented.  
 1910. *Dictyonpila* *dictyonpila* n. sp. — Length 1.5 mm. — Body white, with a few  
 faint brown spots. — Head with a few brown spots. — Antennae 10-segmented.









try to understand why we have

1. ☐ 2. ☐ 3. ☐ 4. ☐ 5. ☐ 6. ☐ 7. ☐ 8. ☐ 9. ☐ 10. ☐

$$-\frac{1}{\sqrt{\pi}} \int_0^x \frac{f(t)}{(x-t)^{1/2}} dt = -\frac{1}{\sqrt{\pi}} \int_0^\infty f(t) \frac{d}{dt} \left( \frac{x-t}{t} \right)^{1/2} dt + \frac{1}{\sqrt{\pi}} \int_0^\infty f(t) \frac{d}{dt} \left( \frac{x-t}{t} \right)^{1/2} dt$$
[illegible]

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1. *Journal of Management Studies*, 1996, 33, 1, 1-14.

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**Figure 6**

1. *Journal of the American Medical Association*, 2000; 283: 2686-2692.

$$\frac{d}{dt} \left( \frac{1}{\sqrt{1 - v^2/c^2}} \right) = \frac{1}{c^2} \frac{dv}{dt} \frac{v}{1 - v^2/c^2}$$

1. *Journal of Management Studies*, 1996, 33, 1, 1-15.

1. **Identify the subject and predicate.**  
 2. **Identify the main clause and any subordinate clauses.**  
 3. **Identify the tense and voice of the verb.**  
 4. **Identify the mood and modality of the verb.**  
 5. **Identify the subject and object of the verb.**  
 6. **Identify the adverbial phrases and clauses.**  
 7. **Identify the prepositional phrases and clauses.**  
 8. **Identify the relative clauses.**  
 9. **Identify the infinitive phrases and clauses.**  
 10. **Identify the participial phrases and clauses.**  
 11. **Identify the gerund phrases and clauses.**  
 12. **Identify the noun phrases and clauses.**  
 13. **Identify the adjective phrases and clauses.**  
 14. **Identify the pronoun phrases and clauses.**  
 15. **Identify the conjunctions and connectors.**  
 16. **Identify the punctuation marks.**  
 17. **Identify the capital letters.**  
 18. **Identify the abbreviations and acronyms.**  
 19. **Identify the numbers and numerals.**  
 20. **Identify the symbols and signs.**

Figure 1. Schematic diagram of the experimental setup.

1. *Journal of the American Medical Association*, 2000; 283: 2686-2692.

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|

$$G_{\mathcal{A}} \cup G_{\mathcal{B}} = G_{\mathcal{A} \cup \mathcal{B}} \quad \text{and} \quad A_{\mathcal{A}} \cup A_{\mathcal{B}} = A_{\mathcal{A} \cup \mathcal{B}}.$$

Figure 1. The effect of the number of trials on the number of correct responses. The number of correct responses was significantly higher than the number of incorrect responses in all cases. Error bars represent the standard error of the mean.

$$\frac{1}{10} \times \frac{1}{10} = \frac{1}{100}$$

**Abstract**

**Abstract**

**A**

**Figure 6** The effect of the number of iterations on the accuracy of the proposed algorithm.

$$\frac{d\mathbf{r}}{dt} = \frac{d}{dt} \left( \frac{1}{\sqrt{1 - \frac{v^2}{c^2}}} \right) \mathbf{r} + \frac{1}{\sqrt{1 - \frac{v^2}{c^2}}} \frac{d\mathbf{r}}{dt} = \frac{d}{dt} \left( \frac{1}{\sqrt{1 - \frac{v^2}{c^2}}} \right) \mathbf{r} + \frac{1}{\sqrt{1 - \frac{v^2}{c^2}}} \frac{d\mathbf{r}}{dt}$$

$$\frac{d}{dt} \left( \frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$$

$$\frac{1}{\Gamma(\alpha)} \int_0^t (t-\tau)^{\alpha-1} f(\tau) d\tau = I_{0+}^\alpha f(t)$$

$\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

| Year | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 |      |

**Figure 1**

[illegible]
$$\frac{d}{dt} \left( \frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}, \quad \frac{d}{dt} \left( \frac{\partial L}{\partial \dot{y}} \right) = \frac{\partial L}{\partial y}$$

**THE UNIVERSITY OF CHICAGO**

$$\frac{1}{\sqrt{\pi}} \left( \frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) dx \right)^2 = \frac{1}{\pi} \int_{-\infty}^{\infty} f(x) dx$$

1. *Journal of the American Medical Association*, 1997; 277: 1039-1043.

$$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx = \frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx$$
$$\sqrt{\frac{1}{n}} \left( \sum_{j=1}^n \frac{X_j - \mu}{\sigma} \right) \xrightarrow{d} N(0, 1)$$

— *—*



the first year of the reign of King Henry the Second, the citizens of London, by their representatives, petitioned the king, that he would grant them a charter of liberties, which they might enjoy in all times to come.

The king, who was then at Winchester, granted them the charter, which was confirmed by the great council of the kingdom, and by the pope himself.

The charter contained many provisions, which were designed to secure the liberties of the citizens, and to prevent the king from exercising any arbitrary power over them.

The first provision was, that the citizens should be free from all taxes, except such as were granted by the king, and his council.

The second provision was, that the citizens should be free from all imprisonment, except such as was granted by the king, and his council.

The third provision was, that the citizens should be free from all execution of the law, except such as was granted by the king, and his council.

The fourth provision was, that the citizens should be free from all seizure of their lands, except such as was granted by the king, and his council.

The fifth provision was, that the citizens should be free from all seizure of their goods, except such as was granted by the king, and his council.

The sixth provision was, that the citizens should be free from all seizure of their persons, except such as was granted by the king, and his council.

The seventh provision was, that the citizens should be free from all seizure of their houses, except such as was granted by the king, and his council.





Figure 1. The effect of the number of trials on the number of correct responses. The number of correct responses was plotted against the number of trials for each condition. The error bars represent the standard error of the mean.

## What are the challenges of the assessment?



1. **Introduction**  
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[illegible]

the first of the two groups. The first group is the one which is most important for the present purpose. It is the one which is most important for the present purpose.

The second group is the one which is most important for the present purpose. It is the one which is most important for the present purpose.

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## ACCOMMODATION AND REORGANIZATION

Figure 10. 3, 3a



to the value of the fraction  $\frac{1}{2}$  and the value of the fraction  $\frac{1}{3}$  is the value of the fraction  $\frac{1}{6}$ . The value of the fraction  $\frac{1}{6}$  is the value of the fraction  $\frac{1}{6}$ .

PROBLEM.

Find the value of the fraction  $\frac{1}{6}$  and the value of the fraction  $\frac{1}{6}$ .

Solution.  $\frac{1}{6} = \frac{1}{6}$

**S**ince the value of the fraction  $\frac{1}{6}$  is the value of the fraction  $\frac{1}{6}$ , the value of the fraction  $\frac{1}{6}$  is the value of the fraction  $\frac{1}{6}$ .

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Since the value of the fraction  $\frac{1}{6}$  is the value of the fraction  $\frac{1}{6}$ , the value of the fraction  $\frac{1}{6}$  is the value of the fraction  $\frac{1}{6}$ .





Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains.

$$\frac{d}{dt} \left( \frac{1}{2} m v^2 \right) = \frac{d}{dt} \left( \frac{1}{2} m \left( \frac{dx}{dt} \right)^2 \right) = m \frac{dx}{dt} \frac{d^2 x}{dt^2} = m v \frac{d^2 x}{dt^2}$$
$$\frac{d}{dt} \left( \frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$$

1. The first part of the document is a title page. It contains the title "THE HISTORY OF THE UNITED STATES OF AMERICA" and the author "BY JAMES MADISON".

$$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx = \frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx$$
$$\frac{d}{dt} \left( \frac{1}{\rho} \right) = - \frac{1}{\rho^2} \frac{d\rho}{dt}$$

Figure 1. The study area. The sampling locations are indicated by the numbers 1-10. The inset map shows the location of the study area in the northwestern part of the Persian Gulf.

[illegible][illegible]







**Abstract**

1. *Journal of the American Medical Association*, 1997; 277: 1001-1005.

[illegible]
$$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx = \frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx$$

1. *Chlorophyll a* (Chl *a*)  
 2. *Chlorophyll b* (Chl *b*)  
 3. *Carotenoids* (Carotenes and Xanthophylls)  
 4. *Phycobilins* (Phycocyanin and Allophycocyanin)  
 5. *Phaeophytins* (Phaeophytin *a* and Phaeophytin *b*)  
 6. *Phaeoerythrins* (Phaeoerythrin *a* and Phaeoerythrin *b*)  
 7. *Phaeoxanthophylls* (Phaeoxanthophyll *a* and Phaeoxanthophyll *b*)  
 8. *Phaeo-*fucoxanthins** (Phaeo-*fucoxanthin* *a* and Phaeo-*fucoxanthin* *b*)  
 9. *Peridinin* (Peridinin *a* and Peridinin *b*)  
 10. *Diatoxanthin* (Diatoxanthin *a* and Diatoxanthin *b*)  
 11. *Diadinoxanthin* (Diadinoxanthin *a* and Diadinoxanthin *b*)  
 12. *Chlorophyll *c** (Chlorophyll *c* *a* and Chlorophyll *c* *b*)  
 13. *Chlorophyll *d** (Chlorophyll *d* *a* and Chlorophyll *d* *b*)  
 14. *Chlorophyll *e** (Chlorophyll *e* *a* and Chlorophyll *e* *b*)  
 15. *Chlorophyll *f** (Chlorophyll *f* *a* and Chlorophyll *f* *b*)  
 16. *Chlorophyll *g** (Chlorophyll *g* *a* and Chlorophyll *g* *b*)  
 17. *Chlorophyll *h** (Chlorophyll *h* *a* and Chlorophyll *h* *b*)  
 18. *Chlorophyll *i** (Chlorophyll *i* *a* and Chlorophyll *i* *b*)  
 19. *Chlorophyll *j** (Chlorophyll *j* *a* and Chlorophyll *j* *b*)  
 20. *Chlorophyll *k** (Chlorophyll *k* *a* and Chlorophyll *k* *b*)  
 21. *Chlorophyll *l** (Chlorophyll *l* *a* and Chlorophyll *l* *b*)  
 22. *Chlorophyll *m** (Chlorophyll *m* *a* and Chlorophyll *m* *b*)  
 23. *Chlorophyll *n** (Chlorophyll *n* *a* and Chlorophyll *n* *b*)  
 24. *Chlorophyll *o** (Chlorophyll *o* *a* and Chlorophyll *o* *b*)  
 25. *Chlorophyll *p** (Chlorophyll *p* *a* and Chlorophyll *p* *b*)  
 26. *Chlorophyll *q** (Chlorophyll *q* *a* and Chlorophyll *q* *b*)  
 27. *Chlorophyll *r** (Chlorophyll *r* *a* and Chlorophyll *r* *b*)  
 28. *Chlorophyll *s** (Chlorophyll *s* *a* and Chlorophyll *s* *b*)  
 29. *Chlorophyll *t** (Chlorophyll *t* *a* and Chlorophyll *t* *b*)  
 30. *Chlorophyll *u** (Chlorophyll *u* *a* and Chlorophyll *u* *b*)  
 31. *Chlorophyll *v** (Chlorophyll *v* *a* and Chlorophyll *v* *b*)  
 32. *Chlorophyll *w** (Chlorophyll *w* *a* and Chlorophyll *w* *b*)  
 33. *Chlorophyll *x** (Chlorophyll *x* *a* and Chlorophyll *x* *b*)  
 34. *Chlorophyll *y** (Chlorophyll *y* *a* and Chlorophyll *y* *b*)  
 35. *Chlorophyll *z** (Chlorophyll *z* *a* and Chlorophyll *z* *b*)  
 36. *Chlorophyll *aa** (Chlorophyll *aa* *a* and Chlorophyll *aa* *b*)  
 37. *Chlorophyll *ab** (Chlorophyll *ab* *a* and Chlorophyll *ab* *b*)  
 38. *Chlorophyll *ac** (Chlorophyll *ac* *a* and Chlorophyll *ac* *b*)  
 39. *Chlorophyll *ad** (Chlorophyll *ad* *a* and Chlorophyll *ad* *b*)  
 40. *Chlorophyll *ae** (Chlorophyll *ae* *a* and Chlorophyll *ae* *b*)  
 41. *Chlorophyll *af** (Chlorophyll *af* *a* and Chlorophyll *af* *b*)  
 42. *Chlorophyll *ag** (Chlorophyll *ag* *a* and Chlorophyll *ag* *b*)  
 43. *Chlorophyll *ah** (Chlorophyll *ah* *a* and Chlorophyll *ah* *b*)  
 44. *Chlorophyll *ai** (Chlorophyll *ai* *a* and Chlorophyll *ai* *b*)  
 45. *Chlorophyll *aj** (Chlorophyll *aj* *a* and Chlorophyll *aj* *b*)  
 46. *Chlorophyll *ak** (Chlorophyll *ak* *a* and Chlorophyll *ak* *b*)  
 47. *Chlorophyll *al** (Chlorophyll *al* *a* and Chlorophyll *al* *b*)  
 48. *Chlorophyll *am** (Chlorophyll *am* *a* and Chlorophyll *am* *b*)  
 49. *Chlorophyll *an** (Chlorophyll *an* *a* and Chlorophyll *an* *b*)  
 50. *Chlorophyll *ao** (Chlorophyll *ao* *a* and Chlorophyll *ao* *b*)  
 51. *Chlorophyll *ap** (Chlorophyll *ap* *a* and Chlorophyll *ap* *b*)  
 52. *Chlorophyll *aq** (Chlorophyll *aq* *a* and Chlorophyll *aq* *b*)  
 53. *Chlorophyll *ar** (Chlorophyll *ar* *a* and Chlorophyll *ar* *b*)  
 54. *Chlorophyll *as** (Chlorophyll *as* *a* and Chlorophyll *as* *b*)  
 55. *Chlorophyll *at** (Chlorophyll *at* *a* and Chlorophyll *at* *b*)  
 56. *Chlorophyll *au** (Chlorophyll *au* *a* and Chlorophyll *au* *b*)  
 57. *Chlorophyll *av** (Chlorophyll *av* *a* and Chlorophyll *av* *b*)  
 58. *Chlorophyll *aw** (Chlorophyll *aw* *a* and Chlorophyll *aw* *b*)  
 59. *Chlorophyll *ax** (Chlorophyll *ax* *a* and Chlorophyll *ax* *b*)  
 60. *Chlorophyll *ay** (Chlorophyll *ay* *a* and Chlorophyll *ay* *b*)  
 61. *Chlorophyll *az** (Chlorophyll *az* *a* and Chlorophyll *az* *b*)  
 62. *Chlorophyll *ba** (Chlorophyll *ba* *a* and Chlorophyll *ba* *b*)  
 63. *Chlorophyll *bb** (Chlorophyll *bb* *a* and Chlorophyll *bb* *b*)  
 64. *Chlorophyll *bc** (Chlorophyll *bc* *a* and Chlorophyll *bc* *b*)  
 65. *Chlorophyll *bd** (Chlorophyll *bd* *a* and Chlorophyll *bd* *b*)  
 66. *Chlorophyll *be** (Chlorophyll *be* *a* and Chlorophyll *be* *b*)  
 67. *Chlorophyll *bf** (Chlorophyll *bf* *a* and Chlorophyll *bf* *b*)  
 68. *Chlorophyll *bg** (Chlorophyll *bg* *a* and Chlorophyll *bg* *b*)  
 69. *Chlorophyll *bh** (Chlorophyll *bh* *a* and Chlorophyll *bh* *b*)  
 70. *Chlorophyll *bi** (Chlorophyll *bi* *a* and Chlorophyll *bi* *b*)  
 71. *Chlorophyll *bj** (Chlorophyll *bj* *a* and Chlorophyll *bj* *b*)  
 72. *Chlorophyll *bk** (Chlorophyll *bk* *a* and Chlorophyll *bk* *b*)  
 73. *Chlorophyll *bl** (Chlorophyll *bl* *a* and

1. *Journal of the American Medical Association*, 2000; 283: 2689-2696.

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$$\frac{1}{2} \rightarrow \frac{2}{3} \rightarrow \frac{3}{4} \rightarrow \frac{4}{5} \rightarrow \frac{5}{6} \rightarrow \frac{6}{7} \rightarrow \frac{7}{8} \rightarrow \frac{8}{9} \rightarrow \frac{9}{10}$$

**Figure 1**

[illegible]

[illegible][illegible]
$$\frac{d}{dt} \left( \frac{1}{2} m v^2 \right) = \frac{d}{dt} \left( \frac{1}{2} m \frac{dx}{dt} \frac{dx}{dt} \right) = m \frac{dx}{dt} \frac{d^2 x}{dt^2} = m v \frac{d^2 x}{dt^2}$$
























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*Wang et al.*

$$E_{\text{eff}} = \frac{E_0}{1 + \frac{1}{2} \frac{E_0}{E_{\text{eff}}}} = \frac{2E_0}{2 + E_0} \quad (1)$$
$$\frac{1}{\sqrt{2\pi}} \int_{-\infty}^{\infty} \frac{1}{\sqrt{1+x^2}} e^{-\frac{1}{2}x^2} dx = 1$$

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840.

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26



1. The first part of the text discusses the nature of the universe and the role of the human mind in understanding it. It begins with a statement that the universe is a complex system of interconnected parts, each of which has its own unique properties and functions. The text then goes on to explain how the human mind is able to perceive and understand these properties and functions, and how this understanding is essential for the development of science and technology.

2. The second part of the text discusses the relationship between the human mind and the universe. It begins with a statement that the human mind is a part of the universe, and therefore it is subject to the same laws and principles as the universe itself. The text then goes on to explain how the human mind is able to transcend these laws and principles, and how this transcendence is essential for the development of art and philosophy.

3. The third part of the text discusses the role of the human mind in the development of society. It begins with a statement that the human mind is the source of all human knowledge and culture, and therefore it is essential for the development of society. The text then goes on to explain how the human mind is able to create and develop new ideas and technologies, and how these ideas and technologies are essential for the progress of society.

4. The fourth part of the text discusses the role of the human mind in the development of the individual. It begins with a statement that the human mind is the source of all human thought and feeling, and therefore it is essential for the development of the individual. The text then goes on to explain how the human mind is able to create and develop new ideas and feelings, and how these ideas and feelings are essential for the growth and development of the individual.

5. The fifth part of the text discusses the role of the human mind in the development of the world. It begins with a statement that the human mind is the source of all human progress and civilization, and therefore it is essential for the development of the world. The text then goes on to explain how the human mind is able to create and develop new ideas and technologies, and how these ideas and technologies are essential for the progress and civilization of the world.

6. The sixth part of the text discusses the role of the human mind in the development of the future. It begins with a statement that the human mind is the source of all human hope and aspiration, and therefore it is essential for the development of the future. The text then goes on to explain how the human mind is able to create and develop new ideas and technologies, and how these ideas and technologies are essential for the progress and civilization of the future.

7. The seventh part of the text discusses the role of the human mind in the development of the present. It begins with a statement that the human mind is the source of all human knowledge and culture, and therefore it is essential for the development of the present. The text then goes on to explain how the human mind is able to create and develop new ideas and technologies, and how these ideas and technologies are essential for the progress and civilization of the present.

8. The eighth part of the text discusses the role of the human mind in the development of the past. It begins with a statement that the human mind is the source of all human thought and feeling, and therefore it is essential for the development of the past. The text then goes on to explain how the human mind is able to create and develop new ideas and feelings, and how these ideas and feelings are essential for the growth and development of the past.

9. The ninth part of the text discusses the role of the human mind in the development of the universe. It begins with a statement that the human mind is the source of all human progress and civilization, and therefore it is essential for the development of the universe. The text then goes on to explain how the human mind is able to create and develop new ideas and technologies, and how these ideas and technologies are essential for the progress and civilization of the universe.

10. The tenth part of the text discusses the role of the human mind in the development of the world. It begins with a statement that the human mind is the source of all human hope and aspiration, and therefore it is essential for the development of the world. The text then goes on to explain how the human mind is able to create and develop new ideas and technologies, and how these ideas and technologies are essential for the progress and civilization of the world.

$\frac{1}{2} \times \frac{3}{4} = \frac{1 \times 3}{2 \times 4} = \frac{3}{8}$

$\frac{2}{3} \times \frac{4}{5} = \frac{2 \times 4}{3 \times 5} = \frac{8}{15}$

$\frac{3}{4} \times \frac{5}{6} = \frac{3 \times 5}{4 \times 6} = \frac{15}{24} = \frac{5}{8}$

$\frac{4}{5} \times \frac{6}{7} = \frac{4 \times 6}{5 \times 7} = \frac{24}{35}$

$\frac{5}{6} \times \frac{7}{8} = \frac{5 \times 7}{6 \times 8} = \frac{35}{48}$

$\frac{6}{7} \times \frac{8}{9} = \frac{6 \times 8}{7 \times 9} = \frac{48}{63} = \frac{16}{21}$

$\frac{7}{8} \times \frac{9}{10} = \frac{7 \times 9}{8 \times 10} = \frac{63}{80}$

$\frac{8}{9} \times \frac{10}{11} = \frac{8 \times 10}{9 \times 11} = \frac{80}{99}$

$\frac{9}{10} \times \frac{11}{12} = \frac{9 \times 11}{10 \times 12} = \frac{99}{120} = \frac{33}{40}$

$\frac{10}{11} \times \frac{12}{13} = \frac{10 \times 12}{11 \times 13} = \frac{120}{143}$







1997-1998 1998-1999 1999-2000



**Abstract**—The purpose of this study was to determine the effect of a 10-week training program on the heart rate (HR) and heart rate reserve (HRR) of sedentary middle-aged men. The subjects were 15 men, 40 to 50 years old, who had been sedentary for at least 10 years. They were randomly assigned to a 10-week training program or a control group. The training program consisted of three sessions per week, each lasting 30 minutes, at a heart rate of 150 beats per minute. The control group did not exercise. The HR and HRR were measured at rest and during a 30-minute exercise test at the end of the 10-week period. The results showed that the training program significantly increased the HR and HRR of the subjects. The HR increased from 72 to 78 beats per minute, and the HRR increased from 28 to 34 beats per minute. The control group showed no significant change in HR or HRR. The results suggest that a 10-week training program can improve the cardiovascular fitness of sedentary middle-aged men.

1. What is the purpose of the study?  
 2. What are the research objectives?  
 3. What is the research methodology?  
 4. What are the results of the study?  
 5. What are the conclusions of the study?  
 6. What are the limitations of the study?  
 7. What are the implications of the study?  
 8. What are the future research directions?  
 9. What are the contributions of the study?  
 10. What are the key findings of the study?

[illegible]

**Abstract**

[illegible]

$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$

1. The first step is to identify the problem. In this case, the problem is that the company is not meeting its sales targets.

## References

**Abstract**—This paper presents a new approach to the problem of detecting and localizing faults in a system. The approach is based on the use of a fault detection and isolation (FDI) algorithm that is designed to detect and isolate faults in a system. The FDI algorithm is designed to detect and isolate faults in a system by using a set of fault detection and isolation (FDI) algorithms. The FDI algorithm is designed to detect and isolate faults in a system by using a set of fault detection and isolation (FDI) algorithms. The FDI algorithm is designed to detect and isolate faults in a system by using a set of fault detection and isolation (FDI) algorithms.





# KOINONIKA TOY ENIATTOY

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τῆς Νουβίου Ἐπιστολῆς

Τὸν αἰ. 1. 10.

Εἰς τὴν ἐκκλησίαν τῆς Ἐπιτομῆς  
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$$\frac{\partial \mathcal{L}}{\partial \mathbf{w}_1} = \frac{\partial \mathcal{L}}{\partial \mathbf{z}_1} \frac{\partial \mathbf{z}_1}{\partial \mathbf{w}_1} = \frac{\partial \mathcal{L}}{\partial \mathbf{z}_1} \mathbf{x}$$
$$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx = \frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx$$
[illegible]

$\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} = \frac{1}{8}$ 
 $\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} = \frac{1}{8}$

**Figure 1** The effect of the number of nodes on the performance of the proposed algorithm.

[illegible]

**Figure 1** *Diagram illustrating the relationship between the variables in the model.*

**Figure 6**

[illegible]

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
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$$\begin{array}{ccccccc} \text{H}_2\text{C} & \text{CH}_2 & \text{CH}_2 & \text{CH}_2 & \text{CH}_2 & \text{CH}_2 & \text{CH}_2 \\ | & | & | & | & | & | & | \\ \text{H} & \text{H} & \text{H} & \text{H} & \text{H} & \text{H} & \text{H} \end{array}$$

**Abstract** The purpose of this study was to determine whether there were differences in the prevalence of risk factors for low back pain between two groups of nurses working in different departments of a tertiary care hospital. A cross-sectional study was conducted among 100 nurses who worked in the intensive care unit (ICU) and 100 nurses who worked in the medical-surgical department. Data were collected from a questionnaire that included information about demographic characteristics, work-related variables, and psychosocial factors. Results showed that the prevalence of low back pain was higher among ICU nurses than among medical-surgical nurses. The prevalence of risk factors for low back pain was also higher among ICU nurses than among medical-surgical nurses. The results suggest that interventions to reduce the prevalence of low back pain should focus on reducing the prevalence of risk factors for low back pain.

[illegible]

**Abstract**

[illegible]

**THE UNIVERSITY OF CHICAGO**

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**THE UNIVERSITY OF CHICAGO**

| Year | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 |      |

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| 1. The first part of the book is devoted to a general survey of the history of the theory of the structure of the atom. | 1  |
| 2. The second part is devoted to a detailed study of the structure of the atom.                                         | 15 |
| 3. The third part is devoted to a study of the structure of the nucleus.                                                | 35 |
| 4. The fourth part is devoted to a study of the structure of the elementary particles.                                  | 55 |
| 5. The fifth part is devoted to a study of the structure of the field.                                                  | 75 |
| 6. The sixth part is devoted to a study of the structure of the universe.                                               | 95 |

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1. The first of the metaphors in the poem is the metaphor of the  
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the first of these is the fact that the majority of the cases are of the acute type, and the second is the fact that the majority of the cases are of the chronic type.

The third of these is the fact that the majority of the cases are of the acute type, and the fourth is the fact that the majority of the cases are of the chronic type.

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They were not, however, the only people who



1. 在 1990 年， $\frac{1}{2}$  的美国人认为，美国在越南战争中的行为是“错误的”。  
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 9. 在 1990 年， $\frac{1}{2}$  的美国人认为，美国在越南战争中的行为是“错误的”。  
 10. 在 1990 年， $\frac{1}{2}$  的美国人认为，美国在越南战争中的行为是“错误的”。





[illegible][illegible]
$$\frac{1}{\sqrt{2\pi}} \int_{-\infty}^{\infty} \frac{1}{\sqrt{1+x^2}} e^{-\frac{1}{2}x^2} dx = 1$$
$$\frac{2}{3} \times \frac{1}{4} = \frac{2}{3} \times \frac{1}{2} \times \frac{1}{2} = \frac{1}{3} \times \frac{1}{2}$$
$$E_{\text{eff}} = \frac{1}{2} \left( \frac{1}{E_1} + \frac{1}{E_2} \right) \quad (1)$$

**Abstract**

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1

$$\frac{1}{T} \left( \frac{1}{2} \log \frac{2}{\pi} - \frac{1}{2} \log \frac{2}{\pi} - \frac{1}{2} \log \frac{2}{\pi} - \frac{1}{2} \log \frac{2}{\pi} \right)$$

**Abstract**

RECONSTRUCTION OF THE SPHERICAL TRIANGLE

Let  $\triangle ABC$  be a spherical triangle

with sides  $a, b, c$

$$\cos a = \cos b \cos c + \sin b \sin c \cos A$$

$$\cos b = \cos a \cos c + \sin a \sin c \cos B$$

$$\cos c = \cos a \cos b + \sin a \sin b \cos C$$

$$\sin a \sin b \sin C = \sin a \sin c \sin B = \sin b \sin c \sin A$$

$$\cos A = \frac{\cos a}{\sin b \sin c} - \frac{\cos b \cos c}{\sin b \sin c}$$

$$\cos B = \frac{\cos b}{\sin a \sin c} - \frac{\cos a \cos c}{\sin a \sin c}$$

$$\cos C = \frac{\cos c}{\sin a \sin b} - \frac{\cos a \cos b}{\sin a \sin b}$$

$$\sin A = \frac{\sin a \sin b \sin C}{\sin b \sin c} = \frac{\sin a}{\sin c}$$

$$\sin B = \frac{\sin a \sin b \sin C}{\sin a \sin c} = \frac{\sin b}{\sin c}$$







# 1. Die Bedeutung der Musik in der Kultur

Die Musik ist eine der ältesten und wichtigsten Künste der Menschheit. Sie hat die Fähigkeit, Emotionen zu wecken und Menschen zusammenzubringen. In der Antike wurde die Musik oft mit der Religion verbunden, während sie in der Renaissance und im Barock zur Unterhaltung der Adligen wurde. Im 19. Jahrhundert wurde die Musik zur Kunstform, die die Massen anspricht. Heute ist die Musik ein integraler Bestandteil der modernen Kultur und wird in vielen Bereichen eingesetzt, von der Werbung bis zur Therapie.

Die Musik ist eine Sprache, die über Worte hinausgeht. Sie kann Freude, Traurigkeit, Liebe und Hass ausdrücken. In der Antike wurde die Musik oft mit der Religion verbunden, während sie in der Renaissance und im Barock zur Unterhaltung der Adligen wurde. Im 19. Jahrhundert wurde die Musik zur Kunstform, die die Massen anspricht. Heute ist die Musik ein integraler Bestandteil der modernen Kultur und wird in vielen Bereichen eingesetzt, von der Werbung bis zur Therapie.

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$$\frac{1}{\sqrt{2\pi}} \int_{-\infty}^{\infty} \frac{1}{\sqrt{1+x^2}} e^{-\frac{1}{2}x^2} dx = 1$$

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$$V_{\text{max}} = \frac{\Delta A}{\epsilon \cdot d} \times \frac{1000}{c} \quad (1)$$
[illegible][illegible][illegible]
$$\sqrt{\frac{1}{n} \sum_{i=1}^n \frac{1}{\sigma_i^2}} \left( \frac{1}{n} \sum_{i=1}^n \frac{1}{\sigma_i^2} \right) \rightarrow \frac{1}{\sigma^2}$$
[illegible]

\_\_\_\_\_

**Figure 6**



Let  $f(x) = \sum_{n=0}^{\infty} a_n x^n$  and  $g(x) = \sum_{n=0}^{\infty} b_n x^n$ . Then

$$f(x) + g(x) = \sum_{n=0}^{\infty} (a_n + b_n) x^n \quad \text{and} \quad f(x) - g(x) = \sum_{n=0}^{\infty} (a_n - b_n) x^n$$

Let  $f(x) = \sum_{n=0}^{\infty} a_n x^n$  and  $g(x) = \sum_{n=0}^{\infty} b_n x^n$ . Then

$$\frac{f(x)}{g(x)} = \sum_{n=0}^{\infty} \frac{a_n}{b_n} x^n \quad \text{if } b_n \neq 0 \text{ for all } n.$$

Let  $f(x) = \sum_{n=0}^{\infty} a_n x^n$  and  $g(x) = \sum_{n=0}^{\infty} b_n x^n$ . Then

$$f(x) \cdot g(x) = \sum_{n=0}^{\infty} \left( \sum_{k=0}^n a_k b_{n-k} \right) x^n$$

Let  $f(x) = \sum_{n=0}^{\infty} a_n x^n$  and  $g(x) = \sum_{n=0}^{\infty} b_n x^n$ . Then

$$f(x) \cdot g(x) = \sum_{n=0}^{\infty} \left( \sum_{k=0}^n a_k b_{n-k} \right) x^n$$

Let  $f(x) = \sum_{n=0}^{\infty} a_n x^n$  and  $g(x) = \sum_{n=0}^{\infty} b_n x^n$ . Then

$$f(x) \cdot g(x) = \sum_{n=0}^{\infty} \left( \sum_{k=0}^n a_k b_{n-k} \right) x^n$$

1.  $2 \frac{1}{2} \times 3 \frac{1}{2} = 8 \frac{1}{4}$       2.  $3 \frac{1}{2} \times 2 \frac{1}{2} = 8 \frac{1}{4}$   
 3.  $4 \frac{1}{2} \times 2 \frac{1}{2} = 11 \frac{1}{4}$       4.  $2 \frac{1}{2} \times 4 \frac{1}{2} = 11 \frac{1}{4}$   
 5.  $3 \frac{1}{2} \times 4 \frac{1}{2} = 15 \frac{3}{4}$       6.  $4 \frac{1}{2} \times 3 \frac{1}{2} = 15 \frac{3}{4}$   
 7.  $5 \frac{1}{2} \times 2 \frac{1}{2} = 13 \frac{3}{4}$       8.  $2 \frac{1}{2} \times 5 \frac{1}{2} = 13 \frac{3}{4}$   
 9.  $5 \frac{1}{2} \times 3 \frac{1}{2} = 18 \frac{3}{4}$       10.  $3 \frac{1}{2} \times 5 \frac{1}{2} = 18 \frac{3}{4}$   
 11.  $5 \frac{1}{2} \times 4 \frac{1}{2} = 24 \frac{3}{4}$       12.  $4 \frac{1}{2} \times 5 \frac{1}{2} = 24 \frac{3}{4}$   
 13.  $6 \frac{1}{2} \times 2 \frac{1}{2} = 16 \frac{1}{4}$       14.  $2 \frac{1}{2} \times 6 \frac{1}{2} = 16 \frac{1}{4}$   
 15.  $6 \frac{1}{2} \times 3 \frac{1}{2} = 21 \frac{3}{4}$       16.  $3 \frac{1}{2} \times 6 \frac{1}{2} = 21 \frac{3}{4}$   
 17.  $6 \frac{1}{2} \times 4 \frac{1}{2} = 28 \frac{1}{2}$       18.  $4 \frac{1}{2} \times 6 \frac{1}{2} = 28 \frac{1}{2}$   
 19.  $6 \frac{1}{2} \times 5 \frac{1}{2} = 35 \frac{1}{4}$       20.  $5 \frac{1}{2} \times 6 \frac{1}{2} = 35 \frac{1}{4}$   
 21.  $7 \frac{1}{2} \times 2 \frac{1}{2} = 18 \frac{3}{4}$       22.  $2 \frac{1}{2} \times 7 \frac{1}{2} = 18 \frac{3}{4}$   
 23.  $7 \frac{1}{2} \times 3 \frac{1}{2} = 25 \frac{3}{4}$       24.  $3 \frac{1}{2} \times 7 \frac{1}{2} = 25 \frac{3}{4}$   
 25.  $7 \frac{1}{2} \times 4 \frac{1}{2} = 33 \frac{3}{4}$       26.  $4 \frac{1}{2} \times 7 \frac{1}{2} = 33 \frac{3}{4}$   
 27.  $7 \frac{1}{2} \times 5 \frac{1}{2} = 41 \frac{1}{4}$       28.  $5 \frac{1}{2} \times 7 \frac{1}{2} = 41 \frac{1}{4}$   
 29.  $7 \frac{1}{2} \times 6 \frac{1}{2} = 49 \frac{1}{2}$       30.  $6 \frac{1}{2} \times 7 \frac{1}{2} = 49 \frac{1}{2}$   
 31.  $8 \frac{1}{2} \times 2 \frac{1}{2} = 21 \frac{1}{4}$       32.  $2 \frac{1}{2} \times 8 \frac{1}{2} = 21 \frac{1}{4}$   
 33.  $8 \frac{1}{2} \times 3 \frac{1}{2} = 29 \frac{1}{4}$       34.  $3 \frac{1}{2} \times 8 \frac{1}{2} = 29 \frac{1}{4}$   
 35.  $8 \frac{1}{2} \times 4 \frac{1}{2} = 38 \frac{1}{2}$       36.  $4 \frac{1}{2} \times 8 \frac{1}{2} = 38 \frac{1}{2}$   
 37.  $8 \frac{1}{2} \times 5 \frac{1}{2} = 46 \frac{1}{4}$       38.  $5 \frac{1}{2} \times 8 \frac{1}{2} = 46 \frac{1}{4}$   
 39.  $8 \frac{1}{2} \times 6 \frac{1}{2} = 55 \frac{1}{2}$       40.  $6 \frac{1}{2} \times 8 \frac{1}{2} = 55 \frac{1}{2}$   
 41.  $8 \frac{1}{2} \times 7 \frac{1}{2} = 64 \frac{1}{2}$       42.  $7 \frac{1}{2} \times 8 \frac{1}{2} = 64 \frac{1}{2}$   
 43.  $9 \frac{1}{2} \times 2 \frac{1}{2} = 23 \frac{3}{4}$       44.  $2 \frac{1}{2} \times 9 \frac{1}{2} = 23 \frac{3}{4}$   
 45.  $9 \frac{1}{2} \times 3 \frac{1}{2} = 32 \frac{3}{4}$       46.  $3 \frac{1}{2} \times 9 \frac{1}{2} = 32 \frac{3}{4}$   
 47.  $9 \frac{1}{2} \times 4 \frac{1}{2} = 42 \frac{3}{4}$       48.  $4 \frac{1}{2} \times 9 \frac{1}{2} = 42 \frac{3}{4}$   
 49.  $9 \frac{1}{2} \times 5 \frac{1}{2} = 51 \frac{3}{4}$       50.  $5 \frac{1}{2} \times 9 \frac{1}{2} = 51 \frac{3}{4}$   
 51.  $9 \frac{1}{2} \times 6 \frac{1}{2} = 61 \frac{3}{4}$       52.  $6 \frac{1}{2} \times 9 \frac{1}{2} = 61 \frac{3}{4}$   
 53.  $9 \frac{1}{2} \times 7 \frac{1}{2} = 71 \frac{1}{4}$       54.  $7 \frac{1}{2} \times 9 \frac{1}{2} = 71 \frac{1}{4}$   
 55.  $9 \frac{1}{2} \times 8 \frac{1}{2} = 80 \frac{1}{2}$       56.  $8 \frac{1}{2} \times 9 \frac{1}{2} = 80 \frac{1}{2}$   
 57.  $10 \frac{1}{2} \times 2 \frac{1}{2} = 26 \frac{1}{4}$       58.  $2 \frac{1}{2} \times 10 \frac{1}{2} = 26 \frac{1}{4}$   
 59.  $10 \frac{1}{2} \times 3 \frac{1}{2} = 35 \frac{3}{4}$       60.  $3 \frac{1}{2} \times 10 \frac{1}{2} = 35 \frac{3}{4}$   
 61.  $10 \frac{1}{2} \times 4 \frac{1}{2} = 46 \frac{1}{4}$       62.  $4 \frac{1}{2} \times 10 \frac{1}{2} = 46 \frac{1}{4}$   
 63.  $10 \frac{1}{2} \times 5 \frac{1}{2} = 57 \frac{1}{4}$       64.  $5 \frac{1}{2} \times 10 \frac{1}{2} = 57 \frac{1}{4}$   
 65.  $10 \frac{1}{2} \times 6 \frac{1}{2} = 68 \frac{1}{4}$       66.  $6 \frac{1}{2} \times 10 \frac{1}{2} = 68 \frac{1}{4}$   
 67.  $10 \frac{1}{2} \times 7 \frac{1}{2} = 79 \frac{1}{4}$       68.  $7 \frac{1}{2} \times 10 \frac{1}{2} = 79 \frac{1}{4}$   
 69.  $10 \frac{1}{2} \times 8 \frac{1}{2} = 90 \frac{1}{2}$       70.  $8 \frac{1}{2} \times 10 \frac{1}{2} = 90 \frac{1}{2}$   
 71.  $10 \frac{1}{2} \times 9 \frac{1}{2} = 101 \frac{1}{2}$       72.  $9 \frac{1}{2} \times 10 \frac{1}{2} = 101 \frac{1}{2}$   
 73.  $11 \frac{1}{2} \times 2 \frac{1}{2} = 29 \frac{1}{4}$       74.  $2 \frac{1}{2} \times 11 \frac{1}{2} = 29 \frac{1}{4}$   
 75.  $11 \frac{1}{2} \times 3 \frac{1}{2} = 39 \frac{1}{4}$       76.  $3 \frac{1}{2} \times 11 \frac{1}{2} = 39 \frac{1}{4}$   
 77.  $11 \frac{1}{2} \times 4 \frac{1}{2} = 50 \frac{1}{4}$       78.  $4 \frac{1}{2} \times 11 \frac{1}{2} = 50 \frac{1}{4}$   
 79.  $11 \frac{1}{2} \times 5 \frac{1}{2} = 62 \frac{1}{4}$       80.  $5 \frac{1}{2} \times 11 \frac{1}{2} = 62 \frac{1}{4}$   
 81.  $11 \frac{1}{2} \times 6 \frac{1}{2} = 74 \frac{1}{4}$       82.  $6 \frac{1}{2} \times 11 \frac{1}{2} = 74 \frac{1}{4}$   
 83.  $11 \frac{1}{2} \times 7 \frac{1}{2} = 86 \frac{1}{4}$       84.  $7 \frac{1}{2} \times 11 \frac{1}{2} = 86 \frac{1}{4}$   
 85.  $11 \frac{1}{2} \times 8 \frac{1}{2} = 98 \frac{1}{2}$       86.  $8 \frac{1}{2} \times 11 \frac{1}{2} = 98 \frac{1}{2}$   
 87.  $11 \frac{1}{2} \times 9 \frac{1}{2} = 110 \frac{1}{2}$       88.  $9 \frac{1}{2} \times 11 \frac{1}{2} = 110 \frac{1}{2}$   
 89.  $11 \frac{1}{2} \times 10 \frac{1}{2} = 122 \frac{1}{2}$       90.  $10 \frac{1}{2} \times 11 \frac{1}{2} = 122 \frac{1}{2}$



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197 | 198 | 199 | 200 | 201 | 202 | 203 | 204 | 205 | 206 | 207 | 208 | 209 | 210 | 211 | 212 | 213 | 214 | 215 | 216 | 217 | 218 | 219 | 220 | 221 | 222 | 223 | 224 | 225 | 226 | 227 | 228 | 229 | 230 | 231 | 232 | 233 | 234 | 235 | 236 | 237 | 238 | 239 | 240 | 241 | 242 | 243 | 244 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 252 | 253 | 254 | 255 | 256 | 257 | 258 | 259 | 260 | 261 | 262 | 263 | 264 | 265 | 266 | 267 | 268 | 269 | 270 | 271 | 272 | 273 | 274 | 275 | 276 | 277 | 278 | 279 | 280 | 281 | 282 | 283 | 284 | 285 | 286 | 287 | 288 | 289 | 290 | 291 | 292 | 293 | 294 | 295 | 296 | 297 | 298 | 299 | 300 | 301 | 302 | 303 | 304 | 305 | 306 | 307 | 308 | 309 | 310 | 311 | 312 | 313 | 314 | 315 | 316 | 317 | 318 | 319 | 320 | 321 | 322 | 323 | 324 | 325 | 326 | 327 | 328 | 329 | 330 | 331 | 332 | 333 | 334 | 335 | 336 | 337 | 338 | 339 | 340 | 341 | 342 | 343 | 344 | 345 | 346 | 347 | 348 | 349 | 350 | 351 | 352 | 353 | 354 | 355 | 356 | 357 | 358 | 359 | 360 | 361 | 362 | 363 | 364 | 365 | 366 | 367 | 368 | 369 | 370 | 371 | 372 | 373 | 374 | 375 | 376 | 377 | 378 | 379 | 380 | 381 | 382 | 383 | 384 | 385 | 386 | 387 | 388 | 389 | 390 | 391 | 392 | 393 | 394 | 395 | 396 | 397 | 398 | 399 | 400 | 401 | 402 | 403 | 404 | 405 | 406 | 407 | 408 | 409 | 410 | 411 | 412 | 413 | 414 | 415 | 416 | 417 | 418 | 419 | 420 | 421 | 422 | 423 | 424 | 425 | 426 | 427 | 428 | 429 | 430 | 431 | 432 | 433 | 434 | 435 | 436 | 437 | 438 | 439 | 440 | 441 | 442 | 443 | 444 | 445 | 446 | 447 | 448 | 449 | 450 | 451 | 452 | 453 | 454 | 455 | 456 | 457 | 458 | 459 | 460 | 461 | 462 | 463 | 464 | 465 | 466 | 467 | 468 | 469 | 470 | 471 | 472 | 473 | 474 | 475 | 476 | 477 | 478 | 479 | 480 | 481 | 482 | 483 | 484 | 485 | 486 | 487 | 488 | 489 | 490 | 491 | 492 | 493 | 494 | 495 | 496 | 497 | 498 | 499 | 500 | 501 | 502 | 503 | 504 | 505 | 506 | 507 | 508 | 509 | 510 | 511 | 512 | 513 | 514 | 515 | 516 | 517 | 518 | 519 | 520 | 521 | 522 | 523 | 524 | 525 | 526 | 527 | 528 | 529 | 530 | 531 | 532 | 533 | 534 | 535 | 536 | 537 | 538 | 539 | 540 | 541 | 542 | 543 | 544 | 545 | 546 | 547 | 548 | 549 | 550 | 551 | 552 | 553 | 554 | 555 | 556 | 557 | 558 | 559 | 560 | 561 | 562 | 563 | 564 | 565 | 566 | 567 | 568 | 569 | 570 | 571 | 572 | 573 | 574 | 575 | 576 | 577 | 578 | 579 | 580 | 581 | 582 | 583 | 584 | 585 | 586 | 587 | 588 | 589 | 590 | 591 | 592 | 593 | 594 | 595 | 596 | 597 | 598 | 599 | 600 | 601 | 602 | 603 | 604 | 605 | 606 | 607 | 608 | 609 | 610 | 611 | 612 | 613 | 614 | 615 | 616 | 617 | 618 | 619 | 620 | 621 | 622 | 623 | 624 | 625 | 626 | 627 | 628 | 629 | 630 | 631 | 632 | 633 | 634 | 635 | 636 | 637 | 638 | 639 | 640 | 641 | 642 | 643 | 644 | 645 | 646 | 647 | 648 | 649 | 650 | 651 | 652 | 653 | 654 | 655 | 656 | 657 | 658 | 659 | 660 | 661 | 662 | 663 | 664 | 665 | 666 | 667 | 668 | 669 | 670 | 671 | 672 | 673 | 674 | 675 | 676 | 677 | 678 | 679 | 680 | 681 | 682 | 683 | 684 | 685 | 686 | 687 | 688 | 689 | 690 | 691 | 692 | 693 | 694 | 695 | 696 | 697 | 698 | 699 | 700 | 701 | 702 | 703 | 704 | 705 | 706 | 707 | 708 | 709 | 710 | 711 | 712 | 713 | 714 | 715 | 716 | 717 | 718 | 719 | 720 | 721 | 722 | 723 | 724 | 725 | 726 | 727 | 728 | 729 | 730 | 731 | 732 | 733 | 734 | 735 | 736 | 737 | 738 | 739 | 740 | 741 | 742 | 743 | 744 | 745 | 746 | 747 | 748 | 749 | 750 | 751 | 752 | 753 | 754 | 755 | 756 | 757 | 758 | 759 | 760 | 761 | 762 | 763 | 764 | 765 | 766 | 767 | 768 | 769 | 770 | 771 | 772 | 773 | 774 | 775 | 776 | 777 | 778 | 779 | 780 | 781 | 782 | 783 | 784 | 785 | 786 | 787 | 788 | 789 | 790 | 791 | 792 | 793 | 794 | 795 | 796 | 797 | 798 | 799 | 800 | 801 | 802 | 803 | 804 | 805 | 806 | 807 | 808 | 809 | 810 | 811 | 812 | 813 | 814 | 815 | 816 | 817 | 818 | 819 | 820 | 821 | 822 | 823 | 824 | 825 | 826 | 827 | 828 | 829 | 830 | 831 | 832 | 833 | 834 | 835 | 836 | 837 | 838 | 839 | 840 | 841 | 842 | 843 | 844 | 845 | 846 | 847 | 848 | 849 | 850 | 851 | 852 | 853 | 854 | 855 | 856 | 857 | 858 | 859 | 860 | 861 | 862 | 863 | 864 | 865 | 866 | 867 | 868 | 869 | 870 | 871 | 872 | 873 | 874 | 875 | 876 | 877 | 878 | 879 | 880 | 881 | 882 | 883 | 884 | 885 | 886 | 887 | 888 | 889 | 890 | 891 | 892 | 893 | 894 | 895 | 896 | 897 | 898 | 899 | 900 | 901 | 902 | 903 | 904 | 905 | 906 | 907 | 908 | 909 | 910 | 911 | 912 | 913 | 914 | 915 | 916 | 917 | 918 | 919 | 920 | 921 | 922 | 923 | 924 | 925 | 926 | 927 | 928 | 929 | 930 | 931 | 932 | 933 | 934 | 935 | 936 | 937 | 938 | 939 | 940 | 941 | 942 | 943 | 944 | 945 | 946 | 947 | 948 | 949 | 950 | 951 | 952 | 953 | 954 | 955 | 956 | 957 | 958 | 959 | 960 | 961 | 962 | 963 | 964 | 965 | 966 | 967 | 968 | 969 | 970 | 971 | 972 | 973 | 974 | 975 | 976 | 977 | 978 | 979 | 980 | 981 | 982 | 983 | 984 | 985 | 986 | 987 | 988 | 989 | 990 | 991 | 992 | 993 | 994 | 995 | 996 | 997 | 998 | 999 | 1000 | 1001 | 1002 | 1003 | 1004 | 1005 | 1006 | 1007 | 1008 | 1009 | 1010 | 1011 | 1012 | 1013 | 1014 | 1015 | 1016 | 1017 | 1018 | 1019 | 1020 | 1021 | 1022 | 1023 | 1024 | 1025 | 1026 | 1027 | 1028 | 1029 | 1030 | 1031 | 1032 | 1033 | 1034 | 1035 | 1036 | 1037 | 1038 | 1039 | 1040 | 1041 | 1042 | 1043 | 1044 | 1045 | 1046 | 1047 | 1048 | 1049 | 1050 | 1051 | 1052 | 1053 | 1054 | 1055 | 1056 | 1057 | 1058 | 1059 | 1060 | 1061 | 1062 | 1063 | 1064 | 1065 | 1066 | 1067 | 1068 | 1069 | 1070 | 1071 | 1072 | 1073 | 1074 | 1075 | 1076 | 1077 | 1078 | 1079 | 1080 | 1081 | 1082 | 1083 | 1084 | 1085 | 1086 | 1087 | 1088 | 1089 | 1090 | 1091 | 1092 | 1093 | 1094 | 1095 | 1096 | 1097 | 1098 | 1099 | 1100 | 1101 | 1102 | 1103 | 1104 | 1105 | 1106 | 1107 | 1108 | 1109 | 1110 | 1111 | 1112 | 1113 | 1114 | 1115 | 1116 | 1117 | 1118 | 1119 | 1120 | 1121 | 1122 | 1123 | 1124 | 1125 | 1126 | 1127 | 1128 | 1129 | 1130 | 1131 | 1132 | 1133 | 1134 | 1135 | 1136 | 1137 | 1138 | 1139 | 1140 | 1141 | 1142 | 1143 | 1144 | 1145 | 1146 | 1147 | 1148 | 1149 | 1150 | 1151 | 1152 | 1153 | 1154 | 1155 | 1156 | 1157 | 1158 | 1159 | 1160 | 1161 | 1162 | 1163 | 1164 | 1165 | 1166 | 1167 | 1168 | 1169 | 1170 | 1171 | 1172 | 1173 | 1174 | 1175 | 1176 | 1177 | 1178 | 1179 | 1180 | 1181 | 1182 | 1183 | 1184 | 1185 | 1186 | 1187 | 1188 | 1189 | 1190 | 1191 | 1192 | 1193 | 1194 | 1195 | 1196 | 1197 | 1198 | 1199 | 1200 | 1201 | 1202 | 1203 | 1204 | 1205 | 1206 | 1207 | 1208 | 1209 | 1210 | 1211 | 1212 | 1213 | 1214 | 1215 | 1216 | 1217 | 1218 | 1219 | 1220 | 1221 | 1222 | 1223 | 1224 | 1225 | 1226 | 1227 | 1228 | 1229 | 1230 | 1231 | 1232 | 1233 | 1234 | 1235 | 1236 | 1237 | 1238 | 1239 | 1240 | 1241 | 1242 | 1243 | 1244 | 1245 | 1246 | 1247 | 1248 | 1249 | 1250 | 1251 | 1252 | 1253 | 1254 | 1255 | 1256 | 1257 | 1258 | 1259 | 1260 | 1261 | 1262 | 1263 | 1264 | 1265 | 1266 | 1267 | 1268 | 1269 | 1270 | 1271 | 1272 | 1273 | 1274 | 1275 | 1276 | 1277 | 1278 | 1279 | 1280 | 1281 | 1282 | 1283 | 1284 | 1285 | 1286 | 1287 | 1288 | 1289 | 1290 | 1291 | 1292 | 1293 | 1294 | 1295 | 1296 | 1297 | 1298 | 1299 | 1300 | 1301 | 1302 | 1303 | 1304 | 1305 | 1306 | 1307 | 1308 | 1309 | 1310 | 1311 | 1312 | 1313 | 1314 | 1315 | 1316 | 1317 | 1318 | 1319 | 1320 | 1321 | 1322 | 1323 | 1324 | 1325 | 1326 | 1327 | 1328 | 1329 | 1330 | 1331 | 1332 | 1333 | 1334 | 1335 | 1336 | 1337 | 1338 | 1339 | 1340 | 1341 | 1342 | 1343 | 1344 | 1345 | 1346 | 1347 | 1348 | 1349 | 1350 | 1351 | 1352 | 1353 | 1354 | 1355 | 1356 | 1357 | 1358 | 1359 | 1360 | 1361 | 1362 | 1363 | 1364 | 1365 | 1366 | 1367 | 1368 | 1369 | 1370 | 1371 | 1372 | 1373 | 1374 | 1375 | 1376 | 1377 | 1378 | 1379 | 1380 | 1381 | 1382 | 1383 | 1384 | 1385 | 1386 | 1387 | 1388 | 1389 | 1390 | 1391 | 1392 | 1393 | 1394 | 1395 | 1396 | 1397 | 1398 | 1399 | 1400 | 1401 | 1402 | 1403 | 1404 | 1405 | 1406 | 1407 | 1408 | 1409 | 1410 | 1411 | 1412 | 1413 | 1414 | 1415 | 1416 | 1417 | 1418 | 1419 | 1420 | 1421 | 1422 | 1423 | 1424 | 1425 | 1426 | 1427 | 1428 | 1429 | 1430 | 1431 | 1432 | 1433 | 1434 | 1435 | 1436 | 1437 | 1438 | 1439 | 1440 | 1441 | 1442 | 1443 | 1444 | 1445 | 1446 | 1447 | 1448 | 1449 | 1450 | 1451 | 1452 | 1453 | 1454 | 1455 | 1456 | 1457 | 1458 | 1459 | 1460 | 1461 | 1462 | 1463 | 1464 | 1465 | 1466 | 1467 | 1468 | 1469 | 1470 | 1471 | 1472 | 1473 | 1474 | 1475 | 1476 | 1477 | 1478 | 1479 | 1480 | 1481 | 1482 | 1483 | 1484 | 1485 | 1486 | 1487 | 1488 | 1489 | 1490 | 1491 | 1492 | 1493 | 1494 | 1495 | 1496 | 1497 | 1498 | 1499 | 1500</ |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|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**Abstract**      **Keywords**      **Introduction**      **Conclusion**







**Environ Biol Fish** (2015) 98:1011–1020

| Year | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 |      |

[illegible]
$$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx = \frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx$$

[illegible][illegible][illegible]



The musical score is written on ten staves, each with a treble clef and a key signature of one sharp (F#). The notation includes various musical symbols such as notes, rests, and dynamic markings. The piece concludes with a double bar line and a repeat sign.

$$\sqrt{\frac{1}{n} \sum_{j=1}^n x_j^2} = \sqrt{\frac{1}{n} \sum_{j=1}^n x_j^2} = \sqrt{\frac{1}{n} \sum_{j=1}^n x_j^2}$$

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840.

$$\frac{1}{\sqrt{\pi}} \left( \frac{1}{x} - \frac{1}{y} \right) = \frac{1}{\sqrt{\pi}} \left( \frac{1}{x} - \frac{1}{y} \right)$$

Verfahren, die die

$$\sqrt{-\frac{1}{2}}\sqrt{-\frac{2}{3}}\sqrt{-\frac{3}{4}}\sqrt{-\frac{4}{5}}\sqrt{-\frac{5}{6}}\sqrt{-\frac{6}{7}}\sqrt{-\frac{7}{8}}\sqrt{-\frac{8}{9}}\sqrt{-\frac{9}{10}}$$
 $\gamma = \frac{1}{\sqrt{1 - \beta^2}}$ 
$$\left( \frac{1}{\sqrt{2\pi}} \int_{-\infty}^{\infty} e^{-\frac{1}{2}x^2} dx \right)^2 = \frac{1}{2\pi} \int_{-\infty}^{\infty} \int_{-\infty}^{\infty} e^{-\frac{1}{2}(x^2+y^2)} dx dy$$

$\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2}$

[illegible][illegible]

1.  $\frac{1}{2}$  2.  $\frac{1}{3}$  3.  $\frac{1}{4}$  4.  $\frac{1}{5}$  5.  $\frac{1}{6}$  6.  $\frac{1}{7}$  7.  $\frac{1}{8}$  8.  $\frac{1}{9}$  9.  $\frac{1}{10}$  10.  $\frac{1}{11}$  11.  $\frac{1}{12}$  12.  $\frac{1}{13}$  13.  $\frac{1}{14}$  14.  $\frac{1}{15}$  15.  $\frac{1}{16}$  16.  $\frac{1}{17}$  17.  $\frac{1}{18}$  18.  $\frac{1}{19}$  19.  $\frac{1}{20}$  20.  $\frac{1}{21}$  21.  $\frac{1}{22}$  22.  $\frac{1}{23}$  23.  $\frac{1}{24}$  24.  $\frac{1}{25}$  25.  $\frac{1}{26}$  26.  $\frac{1}{27}$  27.  $\frac{1}{28}$  28.  $\frac{1}{29}$  29.  $\frac{1}{30}$  30.  $\frac{1}{31}$  31.  $\frac{1}{32}$  32.  $\frac{1}{33}$  33.  $\frac{1}{34}$  34.  $\frac{1}{35}$  35.  $\frac{1}{36}$  36.  $\frac{1}{37}$  37.  $\frac{1}{38}$  38.  $\frac{1}{39}$  39.  $\frac{1}{40}$  40.  $\frac{1}{41}$  41.  $\frac{1}{42}$  42.  $\frac{1}{43}$  43.  $\frac{1}{44}$  44.  $\frac{1}{45}$  45.  $\frac{1}{46}$  46.  $\frac{1}{47}$  47.  $\frac{1}{48}$  48.  $\frac{1}{49}$  49.  $\frac{1}{50}$  50.  $\frac{1}{51}$  51.  $\frac{1}{52}$  52.  $\frac{1}{53}$  53.  $\frac{1}{54}$  54.  $\frac{1}{55}$  55.  $\frac{1}{56}$  56.  $\frac{1}{57}$  57.  $\frac{1}{58}$  58.  $\frac{1}{59}$  59.  $\frac{1}{60}$  60.  $\frac{1}{61}$  61.  $\frac{1}{62}$  62.  $\frac{1}{63}$  63.  $\frac{1}{64}$  64.  $\frac{1}{65}$  65.  $\frac{1}{66}$  66.  $\frac{1}{67}$  67.  $\frac{1}{68}$  68.  $\frac{1}{69}$  69.  $\frac{1}{70}$  70.  $\frac{1}{71}$  71.  $\frac{1}{72}$  72.  $\frac{1}{73}$  73.  $\frac{1}{74}$  74.  $\frac{1}{75}$  75.  $\frac{1}{76}$  76.  $\frac{1}{77}$  77.  $\frac{1}{78}$  78.  $\frac{1}{79}$  79.  $\frac{1}{80}$  80.  $\frac{1}{81}$  81.  $\frac{1}{82}$  82.  $\frac{1}{83}$  83.  $\frac{1}{84}$  84.  $\frac{1}{85}$  85.  $\frac{1}{86}$  86.  $\frac{1}{87}$  87.  $\frac{1}{88}$  88.  $\frac{1}{89}$  89.  $\frac{1}{90}$  90.  $\frac{1}{91}$  91.  $\frac{1}{92}$  92.  $\frac{1}{93}$  93.  $\frac{1}{94}$  94.  $\frac{1}{95}$  95.  $\frac{1}{96}$  96.  $\frac{1}{97}$  97.  $\frac{1}{98}$  98.  $\frac{1}{99}$  99.  $\frac{1}{100}$  100.  $\frac{1}{101}$  101.  $\frac{1}{102}$  102.  $\frac{1}{103}$  103.  $\frac{1}{104}$  104.  $\frac{1}{105}$  105.  $\frac{1}{106}$  106.  $\frac{1}{107}$  107.  $\frac{1}{108}$  108.  $\frac{1}{109}$  109.  $\frac{1}{110}$  110.  $\frac{1}{111}$  111.  $\frac{1}{112}$  112.  $\frac{1}{113}$  113.  $\frac{1}{114}$  114.  $\frac{1}{115}$  115.  $\frac{1}{116}$  116.  $\frac{1}{117}$  117.  $\frac{1}{118}$  118.  $\frac{1}{119}$  119.  $\frac{1}{120}$  120.  $\frac{1}{121}$  121.  $\frac{1}{122}$  122.  $\frac{1}{123}$  123.  $\frac{1}{124}$  124.  $\frac{1}{125}$  125.  $\frac{1}{126}$  126.  $\frac{1}{127}$  127.  $\frac{1}{128}$  128.  $\frac{1}{129}$  129.  $\frac{1}{130}$  130.  $\frac{1}{131}$  131.  $\frac{1}{132}$  132.  $\frac{1}{133}$  133.  $\frac{1}{134}$  134.  $\frac{1}{135}$  135.  $\frac{1}{136}$  136.  $\frac{1}{137}$  137.  $\frac{1}{138}$  138.  $\frac{1}{139}$  139.  $\frac{1}{140}$  140.  $\frac{1}{141}$  141.  $\frac{1}{142}$  142.  $\frac{1}{143}$  143.  $\frac{1}{144}$  144.  $\frac{1}{145}$  145.  $\frac{1}{146}$  146.  $\frac{1}{147}$  147.  $\frac{1}{148}$  148.  $\frac{1}{149}$  149.  $\frac{1}{150}$  150.  $\frac{1}{151}$  151.  $\frac{1}{152}$  152.  $\frac{1}{153}$  153.  $\frac{1}{154}$  154.  $\frac{1}{155}$  155.  $\frac{1}{156}$  156.  $\frac{1}{157}$  157.  $\frac{1}{158}$  158.  $\frac{1}{159}$  159.  $\frac{1}{160}$  160.  $\frac{1}{161}$  161.  $\frac{1}{162}$  162.  $\frac{1}{163}$  163.  $\frac{1}{164}$  164.  $\frac{1}{165}$  165.  $\frac{1}{166}$  166.  $\frac{1}{167}$  167.  $\frac{1}{168}$  168.  $\frac{1}{169}$  169.  $\frac{1}{170}$  170.  $\frac{1}{171}$  171.  $\frac{1}{172}$  172.  $\frac{1}{173}$  173.  $\frac{1}{174}$  174.  $\frac{1}{175}$  175.  $\frac{1}{176}$  176.  $\frac{1}{177}$  177.  $\frac{1}{178}$  178.  $\frac{1}{179}$  179.  $\frac{1}{180}$  180.  $\frac{1}{181}$  181.  $\frac{1}{182}$  182.  $\frac{1}{183}$  183.  $\frac{1}{184}$  184.  $\frac{1}{185}$  185.  $\frac{1}{186}$  186.  $\frac{1}{187}$  187.  $\frac{1}{188}$  188.  $\frac{1}{189}$  189.  $\frac{1}{190}$  190.  $\frac{1}{191}$  191.  $\frac{1}{192}$  192.  $\frac{1}{193}$  193.  $\frac{1}{194}$  194.  $\frac{1}{195}$  195.  $\frac{1}{196}$  196.  $\frac{1}{197}$  197.  $\frac{1}{198}$  198.  $\frac{1}{199}$  199.  $\frac{1}{200}$  200.  $\frac{1}{201}$  201.  $\frac{1}{202}$  202.  $\frac{1}{203}$  203.  $\frac{1}{204}$  204.  $\frac{1}{205}$  205.  $\frac{1}{206}$  206.  $\frac{1}{207}$  207.  $\frac{1}{208}$  208.  $\frac{1}{209}$  209.  $\frac{1}{210}$  210.  $\frac{1}{211}$  211.  $\frac{1}{212}$  212.  $\frac{1}{213}$  213.  $\frac{1}{214}$  214.  $\frac{1}{215}$  215.  $\frac{1}{216}$  216.  $\frac{1}{217}$  217.  $\frac{1}{218}$  218.  $\frac{1}{219}$  219.  $\frac{1}{220}$  220.  $\frac{1}{221}$  221.  $\frac{1}{222}$  222.  $\frac{1}{223}$  223.  $\frac{1}{224}$  224.  $\frac{1}{225}$  225.  $\frac{1}{226}$  226.  $\frac{1}{227}$  227.  $\frac{1}{228}$  228.  $\frac{1}{229}$  229.  $\frac{1}{230}$  230.  $\frac{1}{231}$  231.  $\frac{1}{232}$  232.  $\frac{1}{233}$  233.  $\frac{1}{234}$  234.  $\frac{1}{235}$  235.  $\frac{1}{236}$  236.  $\frac{1}{237}$  237.  $\frac{1}{238}$  238.  $\frac{1}{239}$  239.  $\frac{1}{240}$  240

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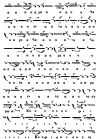
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The first of these was the *Declaration of Independence*, which was adopted by the Continental Congress on July 4, 1776. This document declared that the thirteen colonies were no longer part of the British Empire, and that they were now free and independent states. The second was the *Articles of Confederation and Perpetual Union*, which was adopted by the Continental Congress on September 17, 1787. This document established the first federal government of the United States, and provided for a system of government in which the states were equal and sovereign. The third was the *Constitution of the United States*, which was adopted by the states on September 17, 1787. This document established the current federal government of the United States, and provided for a system of government in which the federal government is supreme over the states.

The *Declaration of Independence* was a landmark document in the history of the United States. It was the first time that a group of people had declared their independence from a foreign power. It was also the first time that a group of people had declared their independence from a group of people. The *Articles of Confederation and Perpetual Union* was a landmark document in the history of the United States. It was the first time that a group of people had established a federal government. It was also the first time that a group of people had established a federal government in which the states were equal and sovereign. The *Constitution of the United States* was a landmark document in the history of the United States. It was the first time that a group of people had established a federal government in which the federal government is supreme over the states. It was also the first time that a group of people had established a federal government in which the states are equal and sovereign.

The *Declaration of Independence* was a landmark document in the history of the United States. It was the first time that a group of people had declared their independence from a foreign power. It was also the first time that a group of people had declared their independence from a group of people. The *Articles of Confederation and Perpetual Union* was a landmark document in the history of the United States. It was the first time that a group of people had established a federal government. It was also the first time that a group of people had established a federal government in which the states were equal and sovereign. The *Constitution of the United States* was a landmark document in the history of the United States. It was the first time that a group of people had established a federal government in which the federal government is supreme over the states. It was also the first time that a group of people had established a federal government in which the states are equal and sovereign.

*Handwritten musical notation for Exercise 1, Treble Clef.*

Exercise 1. Treble Clef. *Handwritten musical notation.*

Exercise 2. Treble Clef. *Handwritten musical notation.*

Exercise 3. Treble Clef. *Handwritten musical notation.*

EXERCISES FOR THE ART. EXAMINATION.

Harmonization. Treble & Bass.

*Handwritten musical notation for Harmonization exercises, Treble & Bass.*

Exercise 1. Treble & Bass. *Handwritten musical notation.*

Exercise 2. Treble & Bass. *Handwritten musical notation.*

Exercise 3. Treble & Bass. *Handwritten musical notation.*

Exercise 4. Treble & Bass. *Handwritten musical notation.*

Exercise 5. Treble & Bass. *Handwritten musical notation.*

the number of the first row is 1, the number of the second row is 2, the number of the third row is 3, and so on, until the number of the last row is 10.

1 2 3 4 5 6 7 8 9 10

the number of the first row is 1, the number of the second row is 2, the number of the third row is 3, and so on, until the number of the last row is 10.

1 2 3 4 5 6 7 8 9 10

the number of the first row is 1, the number of the second row is 2, the number of the third row is 3, and so on, until the number of the last row is 10.

1 2 3 4 5 6 7 8 9 10

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1 2 3 4 5 6 7 8 9 10

the number of the first row is 1, the number of the second row is 2, the number of the third row is 3, and so on, until the number of the last row is 10.

1 2 3 4 5 6 7 8 9 10

$\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$   $\frac{1}{4} \times \frac{1}{5} = \frac{1}{20}$   $\frac{1}{6} \times \frac{1}{7} = \frac{1}{42}$   $\frac{1}{8} \times \frac{1}{9} = \frac{1}{72}$   $\frac{1}{10} \times \frac{1}{11} = \frac{1}{110}$

10.  $\frac{1}{12} \times \frac{1}{13} = \frac{1}{156}$   $\frac{1}{14} \times \frac{1}{15} = \frac{1}{210}$   $\frac{1}{16} \times \frac{1}{17} = \frac{1}{272}$   $\frac{1}{18} \times \frac{1}{19} = \frac{1}{342}$   $\frac{1}{20} \times \frac{1}{21} = \frac{1}{420}$

$\frac{1}{22} \times \frac{1}{23} = \frac{1}{506}$   $\frac{1}{24} \times \frac{1}{25} = \frac{1}{600}$   $\frac{1}{26} \times \frac{1}{27} = \frac{1}{702}$   $\frac{1}{28} \times \frac{1}{29} = \frac{1}{812}$   $\frac{1}{30} \times \frac{1}{31} = \frac{1}{930}$

11.  $\frac{1}{32} \times \frac{1}{33} = \frac{1}{1056}$   $\frac{1}{34} \times \frac{1}{35} = \frac{1}{1190}$   $\frac{1}{36} \times \frac{1}{37} = \frac{1}{1332}$   $\frac{1}{38} \times \frac{1}{39} = \frac{1}{1482}$   $\frac{1}{40} \times \frac{1}{41} = \frac{1}{1640}$

$\frac{1}{42} \times \frac{1}{43} = \frac{1}{1806}$   $\frac{1}{44} \times \frac{1}{45} = \frac{1}{1980}$   $\frac{1}{46} \times \frac{1}{47} = \frac{1}{2162}$   $\frac{1}{48} \times \frac{1}{49} = \frac{1}{2352}$   $\frac{1}{50} \times \frac{1}{51} = \frac{1}{2550}$

12.  $\frac{1}{52} \times \frac{1}{53} = \frac{1}{2756}$   $\frac{1}{54} \times \frac{1}{55} = \frac{1}{2970}$   $\frac{1}{56} \times \frac{1}{57} = \frac{1}{3192}$   $\frac{1}{58} \times \frac{1}{59} = \frac{1}{3422}$   $\frac{1}{60} \times \frac{1}{61} = \frac{1}{3660}$

$\frac{1}{62} \times \frac{1}{63} = \frac{1}{3906}$   $\frac{1}{64} \times \frac{1}{65} = \frac{1}{4160}$   $\frac{1}{66} \times \frac{1}{67} = \frac{1}{4422}$   $\frac{1}{68} \times \frac{1}{69} = \frac{1}{4692}$   $\frac{1}{70} \times \frac{1}{71} = \frac{1}{4970}$

13.  $\frac{1}{72} \times \frac{1}{73} = \frac{1}{5256}$   $\frac{1}{74} \times \frac{1}{75} = \frac{1}{5550}$   $\frac{1}{76} \times \frac{1}{77} = \frac{1}{5852}$   $\frac{1}{78} \times \frac{1}{79} = \frac{1}{6162}$   $\frac{1}{80} \times \frac{1}{81} = \frac{1}{6480}$

$\frac{1}{82} \times \frac{1}{83} = \frac{1}{6806}$   $\frac{1}{84} \times \frac{1}{85} = \frac{1}{7140}$   $\frac{1}{86} \times \frac{1}{87} = \frac{1}{7482}$   $\frac{1}{88} \times \frac{1}{89} = \frac{1}{7832}$   $\frac{1}{90} \times \frac{1}{91} = \frac{1}{8190}$

14.  $\frac{1}{92} \times \frac{1}{93} = \frac{1}{8556}$   $\frac{1}{94} \times \frac{1}{95} = \frac{1}{8930}$   $\frac{1}{96} \times \frac{1}{97} = \frac{1}{9312}$   $\frac{1}{98} \times \frac{1}{99} = \frac{1}{9702}$   $\frac{1}{100} \times \frac{1}{101} = \frac{1}{10100}$

$\frac{1}{102} \times \frac{1}{103} = \frac{1}{10506}$   $\frac{1}{104} \times \frac{1}{105} = \frac{1}{10920}$   $\frac{1}{106} \times \frac{1}{107} = \frac{1}{11342}$   $\frac{1}{108} \times \frac{1}{109} = \frac{1}{11772}$   $\frac{1}{110} \times \frac{1}{111} = \frac{1}{12210}$

15.  $\frac{1}{112} \times \frac{1}{113} = \frac{1}{12656}$   $\frac{1}{114} \times \frac{1}{115} = \frac{1}{13110}$   $\frac{1}{116} \times \frac{1}{117} = \frac{1}{13572}$   $\frac{1}{118} \times \frac{1}{119} = \frac{1}{14042}$   $\frac{1}{120} \times \frac{1}{121} = \frac{1}{14520}$

$\frac{1}{122} \times \frac{1}{123} = \frac{1}{15006}$   $\frac{1}{124} \times \frac{1}{125} = \frac{1}{15500}$   $\frac{1}{126} \times \frac{1}{127} = \frac{1}{16002}$   $\frac{1}{128} \times \frac{1}{129} = \frac{1}{16512}$   $\frac{1}{130} \times \frac{1}{131} = \frac{1}{17030}$

16.  $\frac{1}{132} \times \frac{1}{133} = \frac{1}{17556}$   $\frac{1}{134} \times \frac{1}{135} = \frac{1}{18090}$   $\frac{1}{136} \times \frac{1}{137} = \frac{1}{18632}$   $\frac{1}{138} \times \frac{1}{139} = \frac{1}{19182}$   $\frac{1}{140} \times \frac{1}{141} = \frac{1}{19740}$

$\frac{1}{142} \times \frac{1}{143} = \frac{1}{20306}$   $\frac{1}{144} \times \frac{1}{145} = \frac{1}{20880}$   $\frac{1}{146} \times \frac{1}{147} = \frac{1}{21462}$   $\frac{1}{148} \times \frac{1}{149} = \frac{1}{22052}$   $\frac{1}{150} \times \frac{1}{151} = \frac{1}{22650}$

17.  $\frac{1}{152} \times \frac{1}{153} = \frac{1}{23256}$   $\frac{1}{154} \times \frac{1}{155} = \frac{1}{23870}$   $\frac{1}{156} \times \frac{1}{157} = \frac{1}{24492}$   $\frac{1}{158} \times \frac{1}{159} = \frac{1}{25122}$   $\frac{1}{160} \times \frac{1}{161} = \frac{1}{25760}$

$\frac{1}{162} \times \frac{1}{163} = \frac{1}{26406}$   $\frac{1}{164} \times \frac{1}{165} = \frac{1}{27060}$   $\frac{1}{166} \times \frac{1}{167} = \frac{1}{27722}$   $\frac{1}{168} \times \frac{1}{169} = \frac{1}{28392}$   $\frac{1}{170} \times \frac{1}{171} = \frac{1}{29070}$

18.  $\frac{1}{172} \times \frac{1}{173} = \frac{1}{29756}$   $\frac{1}{174} \times \frac{1}{175} = \frac{1}{30450}$   $\frac{1}{176} \times \frac{1}{177} = \frac{1}{31152}$   $\frac{1}{178} \times \frac{1}{179} = \frac{1}{31862}$   $\frac{1}{180} \times \frac{1}{181} = \frac{1}{32580}$

$\frac{1}{182} \times \frac{1}{183} = \frac{1}{33306}$   $\frac{1}{184} \times \frac{1}{185} = \frac{1}{34040}$   $\frac{1}{186} \times \frac{1}{187} = \frac{1}{34782}$   $\frac{1}{188} \times \frac{1}{189} = \frac{1}{35532}$   $\frac{1}{190} \times \frac{1}{191} = \frac{1}{36290}$

19.  $\frac{1}{192} \times \frac{1}{193} = \frac{1}{37056}$   $\frac{1}{194} \times \frac{1}{195} = \frac{1}{37830}$   $\frac{1}{196} \times \frac{1}{197} = \frac{1}{38612}$   $\frac{1}{198} \times \frac{1}{199} = \frac{1}{39402}$   $\frac{1}{200} \times \frac{1}{201} = \frac{1}{40200}$

$$\frac{d}{dt} \left( \frac{1}{2} m v^2 + U \right) = -\nabla \cdot (\mathbf{v} p)$$

$$\|v\|_{L^{\infty}(\Omega)} = \|f\|_{L^{\infty}(\Omega)}, \quad \|v\|_{L^2(\Omega)} = \|f\|_{L^2(\Omega)}$$

[illegible]

**Figure 6.** The effect of the number of iterations on the accuracy of the proposed algorithm. The results are averaged over 10 trials.

**Figure 6**

1000

**Redundancy**      **Redundant**      **Redundancy**      **Redundant**

**Yak. Hosh. Zangwal, "Naxal in A. Ss."**

1. *What is the purpose of this study?*  
 2. *What are the research objectives?*  
 3. *What is the research methodology?*  
 4. *What are the findings of the study?*  
 5. *What are the conclusions of the study?*  
 6. *What are the implications of the study?*  
 7. *What are the limitations of the study?*  
 8. *What are the future research directions?*  
 9. *What are the contributions of the study?*  
 10. *What are the acknowledgments?*  
 11. *What are the references?*  
 12. *What are the appendices?*  
 13. *What are the footnotes?*  
 14. *What are the tables?*  
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 217. <

$$\frac{1}{2} \left( \frac{1}{2} + \frac{1}{2} \right) = \frac{1}{2}$$

1. *Journal of the American Medical Association*, 1997; 277: 1001-1005.

— *Journal of the American Medical Association*

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1. What is the purpose of the study?  
 2. What are the research objectives?  
 3. What is the research methodology?  
 4. What are the results of the study?  
 5. What are the conclusions of the study?  
 6. What are the limitations of the study?  
 7. What are the implications of the study?  
 8. What are the future research directions?  
 9. What are the contributions of the study?  
 10. What are the key findings of the study?

$$\left\{ \frac{\partial}{\partial x} f(x) - \frac{\partial}{\partial y} g(y) \right\}$$

[illegible]

$$\frac{1}{\sqrt{2}}A_1 = \frac{1}{\sqrt{2}}\left(\frac{1}{\sqrt{2}}A_2 + \frac{1}{\sqrt{2}}A_3\right) = \frac{1}{2}A_2 + \frac{1}{2}A_3$$

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$$\frac{d}{dt} \mathbf{r} = \mathbf{v} = \mathbf{v}_0 + \mathbf{a}t$$

*Hydrophorus* *Hydrophorus*

$$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx = \frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx$$

**Figure 1**









$\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$ 
 $\frac{1}{2} \times \frac{1}{4} = \frac{1}{8}$ 
 $\frac{1}{4} \times \frac{1}{4} = \frac{1}{16}$ 
 $\frac{1}{8} \times \frac{1}{4} = \frac{1}{32}$

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains.

**Abstract** The purpose of this study was to determine the effect of a 12-week training program on the physical fitness of 10-year-old children. The study was conducted in a primary school in Ankara, Turkey. The children were divided into two groups: a control group and an experimental group. The experimental group participated in a 12-week training program that included aerobic, strength, and flexibility exercises. The control group did not participate in any training program. Physical fitness was measured at the beginning and end of the 12-week period using a series of tests including a 100m sprint, 200m sprint, 400m sprint, 800m sprint, 1600m sprint, 3200m sprint, 6400m sprint, 12800m sprint, 25600m sprint, 51200m sprint, 102400m sprint, 204800m sprint, 409600m sprint, 819200m sprint, 1638400m sprint, 3276800m sprint, 6553600m sprint, 13107200m sprint, 26214400m sprint, 52428800m sprint, 104857600m sprint, 209715200m sprint, 419430400m sprint, 838860800m sprint, 1677721600m sprint, 3355443200m sprint, 6710886400m sprint, 13421772800m sprint, 26843545600m sprint, 53687091200m sprint, 107374182400m sprint, 214748364800m sprint, 429496729600m sprint, 858993459200m sprint, 1717986918400m sprint, 3435973836800m sprint, 6871947673600m sprint, 13743895347200m sprint, 27487790694400m sprint, 54975581388800m sprint, 109951162777600m sprint, 219902325555200m sprint, 439804651110400m sprint, 879609302220800m sprint, 1759218604441600m sprint, 3518437208883200m sprint, 7036874417766400m sprint, 14073748835532800m sprint, 28147497671065600m sprint, 56294995342131200m sprint, 112589990684262400m sprint, 225179981368524800m sprint, 450359962737049600m sprint, 900719925474099200m sprint, 1801439850948198400m sprint, 3602879701896396800m sprint, 7205759403792793600m sprint, 14411518807585587200m sprint, 28823037615171174400m sprint, 57646075230342348800m sprint, 115292150460684697600m sprint, 230584300921369395200m sprint, 461168601842738790400m sprint, 922337203685477580800m sprint, 1844674407370955161600m sprint, 3689348814741910323200m sprint, 7378697629483820646400m sprint, 14757395258967641292800m sprint, 29514790517935282585600m sprint, 59029581035870565171200m sprint, 118059162071741130342400m sprint, 236118324143482260684800m sprint, 472236648286964521369600m sprint, 944473296573929042739200m sprint, 1888946593147858085478400m sprint, 3777893186295716170956800m sprint, 7555786372591432341913600m sprint, 15111572745182864683827200m sprint, 30223145490365729367654400m sprint, 60446290980731458735308800m sprint, 120892581961462917470617600m sprint, 241785163922925834941235200m sprint, 483570327845851669882470400m sprint, 967140655691703339764940800m sprint, 1934281311383406679529881600m sprint, 3868562622766813359059763200m sprint, 7737125245533626718119526400m sprint, 15474250491067253436239052800m sprint, 30948500982134506872478105600m sprint, 61897001964269013744956211200m sprint, 123794003928538027489912422400m sprint, 247588007857076054979824844800m sprint, 495176015714152109959649689600m sprint, 990352031428304219919299379200m sprint, 1980704062856608439838598758400m sprint, 3961408125713216879677197516800m sprint, 7922816251426433759354395033600m sprint, 15845632502852867518708790067200m sprint, 31691265005705735037417580134400m sprint, 63382530011411470074835160268800m sprint, 126765060022822940149670320537600m sprint, 253530120045645880299340641075200m sprint, 507060240091291760598681282150400m sprint, 1014120480182583521197362564300800m sprint, 2028240960365167042394725128601600m sprint, 4056481920730334084789450257203200m sprint, 8112963841460668169578900514406400m sprint, 16225927682921336339157801028812800m sprint, 32451855365842672678315602057625600m sprint, 64903710731685345356631204115251200m sprint, 129807421463370690713262408230502400m sprint, 259614842926741381426524816461004800m sprint, 519229685853482762853049632922009600m sprint, 1038459371706965525706099265844019200m sprint, 2076918743413931051412198531688038400m sprint, 4153837486827862102824397063376076800m sprint, 8307674973655724205648794126752153600m sprint, 16615349947311448411297588253504307200m sprint, 33230699894622896822595176507008614400m sprint, 66461399789245793645190353014017228800m sprint, 132922799578491587290380706028034457600m sprint, 265845599156983174580761412056068915200m sprint, 531691198313966349161522824112137830400m sprint, 1063382396627932698323045648224275660800m sprint, 2126764793255865396646091296448551321600m sprint, 4253529586511730793292182592897102643200m sprint, 8507059173023461586584365185794205286400m sprint, 17014118346046923173168730371588410572800m sprint, 34028236692093846346337460743176821145600m sprint, 68056473384187692692674921486353642291200m sprint, 136112946768375385385349842972707284582400m sprint, 272225893536750770770699685945414569164800m sprint, 544451787073501541541399371890829138329600m sprint, 1088903574147003083082798743781658276659200m sprint, 2177807148294006166165597487563316553318400m sprint, 4355614296588012332331194975126633106636800m sprint, 8711228593176024664662389950253266213273600m sprint, 17422457186352049329324779900506532426547200m sprint, 34844914372704098658649559801013064853094400m sprint, 69689828745408197317299119602026129706188800m sprint, 139379657490816394634598239204052259412377600m sprint, 278759314981632789269196478408104518824755200m sprint, 5575186299632655785383929568162090

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[illegible][illegible]

| Year | Number of cases | Number of deaths |
|------|-----------------|------------------|
| 1990 | 100             | 10               |
| 1991 | 120             | 12               |
| 1992 | 150             | 15               |
| 1993 | 180             | 18               |
| 1994 | 200             | 20               |
| 1995 | 220             | 22               |
| 1996 | 250             | 25               |
| 1997 | 280             | 28               |
| 1998 | 300             | 30               |
| 1999 | 320             | 32               |
| 2000 | 350             | 35               |
| 2001 | 380             | 38               |
| 2002 | 400             | 40               |
| 2003 | 420             | 42               |
| 2004 | 450             | 45               |
| 2005 | 480             | 48               |
| 2006 | 500             | 50               |
| 2007 | 520             | 52               |
| 2008 | 550             | 55               |
| 2009 | 580             | 58               |
| 2010 | 600             | 60               |
| 2011 | 620             | 62               |
| 2012 | 650             | 65               |
| 2013 | 680             | 68               |
| 2014 | 700             | 70               |
| 2015 | 720             | 72               |
| 2016 | 750             | 75               |
| 2017 | 780             | 78               |
| 2018 | 800             | 80               |
| 2019 | 820             | 82               |
| 2020 | 850             | 85               |
| 2021 | 880             | 88               |
| 2022 | 900             | 90               |
| 2023 | 920             | 92               |
| 2024 | 950             | 95               |
| 2025 | 980             | 98               |
| 2026 | 1000            | 100              |
| 2027 | 1020            | 102              |
| 2028 | 1050            | 105              |
| 2029 | 1080            | 108              |
| 2030 | 1100            | 110              |

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1. *Phragmites australis* (Cav.) Trin. ex Steud.

| $\frac{d}{dx} \left( \frac{1}{x} \right)$ | $\frac{d}{dx} \left( \frac{1}{x^2} \right)$ | $\frac{d}{dx} \left( \frac{1}{x^3} \right)$ | $\frac{d}{dx} \left( \frac{1}{x^4} \right)$ |
|-------------------------------------------|---------------------------------------------|---------------------------------------------|---------------------------------------------|
| $-\frac{1}{x^2}$                          | $-\frac{2}{x^3}$                            | $-\frac{3}{x^4}$                            | $-\frac{4}{x^5}$                            |

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**Figure 1**

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$$f_1\left(\frac{a_1}{b_1}\right) = f_2\left(\frac{a_2}{b_2}\right) = f_3\left(\frac{a_3}{b_3}\right) = \dots = f_n\left(\frac{a_n}{b_n}\right) = f\left(\frac{a}{b}\right).$$

**Figure 1**

$\frac{d}{dt} \left( \frac{\partial L}{\partial v^i} \right) = \frac{\partial L}{\partial x^i}$

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**Figure 6**



[illegible]

**Figure 1**

**Figure 1**

[illegible]

1. What is the purpose of the study?  
 2. What are the research questions?  
 3. What is the significance of the study?  
 4. What are the limitations of the study?  
 5. What are the conclusions of the study?

1. *Phragmites australis* (Cav.) Trin. ex Steud.

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**Figure 1**

**Abstract**

[illegible]



**RESEARCH DESIGN**

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Figure 1. The effect of the number of trials on the number of correct responses. The number of correct responses was significantly higher for the 10 trials condition than for the 5 trials condition. Error bars represent the standard error of the mean.

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二、主權在民，即人民主權。

— *Journal of the American Medical Association*

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# ΚΟΙΝΩΝΙΚΑ ΕΥΡΕΙΑΚΟΝ

**Product**      **Quantity**      **Price**

— *Wang, 2003*

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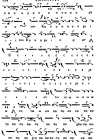
















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*And the Lord said unto him, I have heard thy prayer, and thy voice is heard.*

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*And the Lord said unto him, I have heard thy prayer, and thy voice is heard.*

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*And the Lord said unto him, I have heard thy prayer, and thy voice is heard.*

And the Lord said unto him, I have heard thy prayer, and thy voice is heard.

And the Lord said unto him, I have heard thy prayer, and thy voice is heard.



— — — — —

[illegible]

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

$\{ \mathbf{u}_i, \mathbf{v}_i \}_{i=1}^n$  and  $\{ \mathbf{u}_i, \mathbf{v}_i \}_{i=1}^n$ .

[illegible]

\_\_\_\_\_














**Topic:** *Time and Work*

— *Journal of the American Medical Association*, 1997


$$25 \times \frac{1}{25} = \frac{1}{25} \times 25 = 1$$

Figure 1. The effect of the number of trials on the number of correct responses. The number of correct responses was significantly higher for the 10-trial condition than for the 5-trial condition. Error bars represent the standard error of the mean.

$$\frac{d}{dt} \left( \frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$$
$$x_1 = \frac{1}{2} \left( \frac{1}{2} + \frac{1}{2} \right) = \frac{1}{2}$$
$$\mathbb{R}^n \times \mathbb{R}^n \rightarrow \mathbb{R}^n \times \mathbb{R}^n$$





$$\frac{1}{2} \times \frac{1}{3} = \frac{1}{6} \quad \frac{1}{4} \times \frac{1}{5} = \frac{1}{20} \quad \frac{1}{6} \times \frac{1}{7} = \frac{1}{42}$$

It is to be observed that the product of two fractions is

$$\frac{1}{2} \times \frac{1}{3} = \frac{1 \times 1}{2 \times 3} = \frac{1}{6} \quad \frac{1}{4} \times \frac{1}{5} = \frac{1 \times 1}{4 \times 5} = \frac{1}{20} \quad \frac{1}{6} \times \frac{1}{7} = \frac{1 \times 1}{6 \times 7} = \frac{1}{42}$$

that is, the product of two fractions is a fraction whose

$$\text{numerator is the product of the numerators, and whose} \\ \text{denominator is the product of the denominators.}$$

Thus,  $\frac{1}{2} \times \frac{1}{3} = \frac{1 \times 1}{2 \times 3} = \frac{1}{6}$  and  $\frac{1}{4} \times \frac{1}{5} = \frac{1 \times 1}{4 \times 5} = \frac{1}{20}$ .

$$\frac{1}{2} \times \frac{2}{3} = \frac{1 \times 2}{2 \times 3} = \frac{2}{6} = \frac{1}{3} \quad \frac{1}{4} \times \frac{2}{5} = \frac{1 \times 2}{4 \times 5} = \frac{2}{20} = \frac{1}{10}$$

and  $\frac{1}{6} \times \frac{2}{7} = \frac{1 \times 2}{6 \times 7} = \frac{2}{42} = \frac{1}{21}$ .

$$\frac{1}{2} \times \frac{3}{4} = \frac{1 \times 3}{2 \times 4} = \frac{3}{8} \quad \frac{1}{4} \times \frac{3}{5} = \frac{1 \times 3}{4 \times 5} = \frac{3}{20}$$

and  $\frac{1}{6} \times \frac{3}{7} = \frac{1 \times 3}{6 \times 7} = \frac{3}{42} = \frac{1}{14}$ .

$$\frac{1}{2} \times \frac{4}{5} = \frac{1 \times 4}{2 \times 5} = \frac{4}{10} = \frac{2}{5} \quad \frac{1}{4} \times \frac{4}{5} = \frac{1 \times 4}{4 \times 5} = \frac{4}{20} = \frac{1}{5}$$

$$\frac{1}{6} \times \frac{4}{7} = \frac{1 \times 4}{6 \times 7} = \frac{4}{42} = \frac{2}{21}$$

$$\frac{1}{2} \times \frac{5}{6} = \frac{1 \times 5}{2 \times 6} = \frac{5}{12} \quad \frac{1}{4} \times \frac{5}{6} = \frac{1 \times 5}{4 \times 6} = \frac{5}{24}$$

and  $\frac{1}{6} \times \frac{5}{7} = \frac{1 \times 5}{6 \times 7} = \frac{5}{42}$ .

$$\frac{1}{2} \times \frac{6}{7} = \frac{1 \times 6}{2 \times 7} = \frac{6}{14} = \frac{3}{7} \quad \frac{1}{4} \times \frac{6}{5} = \frac{1 \times 6}{4 \times 5} = \frac{6}{20} = \frac{3}{10}$$

and  $\frac{1}{6} \times \frac{6}{7} = \frac{1 \times 6}{6 \times 7} = \frac{6}{42} = \frac{1}{7}$ .

$$\frac{1}{2} \times \frac{7}{8} = \frac{1 \times 7}{2 \times 8} = \frac{7}{16} \quad \frac{1}{4} \times \frac{7}{6} = \frac{1 \times 7}{4 \times 6} = \frac{7}{24}$$

and  $\frac{1}{6} \times \frac{7}{8} = \frac{1 \times 7}{6 \times 8} = \frac{7}{48}$ .

$$\frac{1}{2} \times \frac{8}{9} = \frac{1 \times 8}{2 \times 9} = \frac{8}{18} = \frac{4}{9} \quad \frac{1}{4} \times \frac{8}{6} = \frac{1 \times 8}{4 \times 6} = \frac{8}{24} = \frac{1}{3}$$

and  $\frac{1}{6} \times \frac{8}{9} = \frac{1 \times 8}{6 \times 9} = \frac{8}{54} = \frac{4}{27}$ .

$$\frac{1}{2} \times \frac{9}{10} = \frac{1 \times 9}{2 \times 10} = \frac{9}{20} \quad \frac{1}{4} \times \frac{9}{8} = \frac{1 \times 9}{4 \times 8} = \frac{9}{32}$$



**A**  $\frac{1}{n} \sum_{i=1}^n x_i = \bar{x}$

$$\sqrt{\frac{1}{n}} \left( \frac{1}{n} \sum_{i=1}^n \frac{1}{\sqrt{1 - \beta_i^2}} \right) \rightarrow \sqrt{\frac{1}{n}} \left( \frac{1}{n} \sum_{i=1}^n \frac{1}{\sqrt{1 - \beta_i^2}} \right)$$

$$\frac{1}{x^2} = \frac{1}{x^3} \cdot x = \frac{1}{x^3} \cdot x^{\frac{1}{3} \cdot 3} = \frac{1}{x^3} \cdot \sqrt[3]{x^3} = \frac{\sqrt[3]{x^3}}{x^3}$$

[illegible]

$$\frac{d}{dt} \left( \frac{1}{\sqrt{g}} \right) = -\frac{1}{2} g^{-3/2} \dot{g}$$

$$\frac{1}{\sqrt{2\pi}} \int_{-\infty}^{\infty} \frac{1}{\sqrt{1+\lambda^2}} e^{-\lambda^2/2} d\lambda = 1$$

[illegible]

$$\frac{y_1}{x_1} = \frac{y_2}{x_2} = \frac{y_3}{x_3} = \dots = \frac{y_n}{x_n}$$

**Figure 1**

$\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$        $\frac{1}{4} \times \frac{1}{5} = \frac{1}{20}$        $\frac{1}{6} \times \frac{1}{7} = \frac{1}{42}$

$\frac{1}{8} \times \frac{1}{9} = \frac{1}{72}$        $\frac{1}{10} \times \frac{1}{11} = \frac{1}{110}$        $\frac{1}{12} \times \frac{1}{13} = \frac{1}{156}$

$\frac{1}{14} \times \frac{1}{15} = \frac{1}{210}$        $\frac{1}{16} \times \frac{1}{17} = \frac{1}{272}$        $\frac{1}{18} \times \frac{1}{19} = \frac{1}{342}$

$\frac{1}{20} \times \frac{1}{21} = \frac{1}{420}$        $\frac{1}{22} \times \frac{1}{23} = \frac{1}{506}$        $\frac{1}{24} \times \frac{1}{25} = \frac{1}{600}$

$\frac{1}{26} \times \frac{1}{27} = \frac{1}{702}$        $\frac{1}{28} \times \frac{1}{29} = \frac{1}{812}$        $\frac{1}{30} \times \frac{1}{31} = \frac{1}{930}$

$\frac{1}{32} \times \frac{1}{33} = \frac{1}{1056}$        $\frac{1}{34} \times \frac{1}{35} = \frac{1}{1190}$        $\frac{1}{36} \times \frac{1}{37} = \frac{1}{1332}$

$\frac{1}{38} \times \frac{1}{39} = \frac{1}{1482}$        $\frac{1}{40} \times \frac{1}{41} = \frac{1}{1640}$        $\frac{1}{42} \times \frac{1}{43} = \frac{1}{1806}$

$\frac{1}{44} \times \frac{1}{45} = \frac{1}{1980}$        $\frac{1}{46} \times \frac{1}{47} = \frac{1}{2162}$        $\frac{1}{48} \times \frac{1}{49} = \frac{1}{2352}$

$\frac{1}{50} \times \frac{1}{51} = \frac{1}{2550}$        $\frac{1}{52} \times \frac{1}{53} = \frac{1}{2756}$        $\frac{1}{54} \times \frac{1}{55} = \frac{1}{2970}$

$\frac{1}{56} \times \frac{1}{57} = \frac{1}{3192}$        $\frac{1}{58} \times \frac{1}{59} = \frac{1}{3422}$        $\frac{1}{60} \times \frac{1}{61} = \frac{1}{3660}$

$\frac{1}{62} \times \frac{1}{63} = \frac{1}{3906}$        $\frac{1}{64} \times \frac{1}{65} = \frac{1}{4160}$        $\frac{1}{66} \times \frac{1}{67} = \frac{1}{4422}$

$\frac{1}{68} \times \frac{1}{69} = \frac{1}{4692}$        $\frac{1}{70} \times \frac{1}{71} = \frac{1}{4970}$        $\frac{1}{72} \times \frac{1}{73} = \frac{1}{5256}$

$\frac{1}{74} \times \frac{1}{75} = \frac{1}{5550}$        $\frac{1}{76} \times \frac{1}{77} = \frac{1}{5852}$        $\frac{1}{78} \times \frac{1}{79} = \frac{1}{6162}$

$\frac{1}{80} \times \frac{1}{81} = \frac{1}{6480}$        $\frac{1}{82} \times \frac{1}{83} = \frac{1}{6806}$        $\frac{1}{84} \times \frac{1}{85} = \frac{1}{7140}$

$\frac{1}{86} \times \frac{1}{87} = \frac{1}{7482}$        $\frac{1}{88} \times \frac{1}{89} = \frac{1}{7832}$        $\frac{1}{90} \times \frac{1}{91} = \frac{1}{8190}$

$\frac{1}{92} \times \frac{1}{93} = \frac{1}{8556}$        $\frac{1}{94} \times \frac{1}{95} = \frac{1}{8930}$        $\frac{1}{96} \times \frac{1}{97} = \frac{1}{9312}$

$\frac{1}{98} \times \frac{1}{99} = \frac{1}{9702}$        $\frac{1}{100} \times \frac{1}{101} = \frac{1}{10100}$

$\frac{1}{102} \times \frac{1}{103} = \frac{1}{10506}$        $\frac{1}{104} \times \frac{1}{105} = \frac{1}{10920}$

$\frac{1}{106} \times \frac{1}{107} = \frac{1}{11342}$        $\frac{1}{108} \times \frac{1}{109} = \frac{1}{11772}$

$\frac{1}{110} \times \frac{1}{111} = \frac{1}{12210}$        $\frac{1}{112} \times \frac{1}{113} = \frac{1}{12676}$





# THE FIRST THREE OF THE TEN

$$\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$$

$$\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$$

$$\frac{1}{2} \times \frac{1}{4} = \frac{1}{8}$$

$$\frac{1}{2} \times \frac{1}{5} = \frac{1}{10}$$

$$\frac{1}{2} \times \frac{1}{6} = \frac{1}{12}$$

$$\frac{1}{2} \times \frac{1}{7} = \frac{1}{14}$$

$$\frac{1}{2} \times \frac{1}{8} = \frac{1}{16}$$

$$\frac{1}{2} \times \frac{1}{9} = \frac{1}{18}$$

$$\frac{1}{2} \times \frac{1}{10} = \frac{1}{20}$$

$$\frac{1}{3} \times \frac{1}{3} = \frac{1}{9}$$

$$\frac{1}{3} \times \frac{1}{4} = \frac{1}{12}$$

$$\frac{1}{3} \times \frac{1}{5} = \frac{1}{15}$$

$$\frac{1}{3} \times \frac{1}{6} = \frac{1}{18}$$

$$\frac{1}{3} \times \frac{1}{7} = \frac{1}{21}$$

$$\frac{1}{3} \times \frac{1}{8} = \frac{1}{24}$$

$$\frac{1}{3} \times \frac{1}{9} = \frac{1}{27}$$

$$\frac{1}{3} \times \frac{1}{10} = \frac{1}{30}$$

$$\frac{1}{4} \times \frac{1}{4} = \frac{1}{16}$$

$$\frac{1}{4} \times \frac{1}{5} = \frac{1}{20}$$

$$\frac{1}{4} \times \frac{1}{6} = \frac{1}{24}$$

$$\frac{1}{4} \times \frac{1}{7} = \frac{1}{28}$$

$$\frac{1}{4} \times \frac{1}{8} = \frac{1}{32}$$

$$\frac{1}{4} \times \frac{1}{9} = \frac{1}{36}$$

$$\frac{1}{4} \times \frac{1}{10} = \frac{1}{40}$$

$$\frac{1}{5} \times \frac{1}{5} = \frac{1}{25}$$

$$\frac{1}{5} \times \frac{1}{6} = \frac{1}{30}$$

$$\frac{1}{5} \times \frac{1}{7} = \frac{1}{35}$$

$$\frac{1}{5} \times \frac{1}{8} = \frac{1}{40}$$

$$\frac{1}{5} \times \frac{1}{9} = \frac{1}{45}$$

$$\frac{1}{5} \times \frac{1}{10} = \frac{1}{50}$$

$$\frac{1}{6} \times \frac{1}{6} = \frac{1}{36}$$

$$\frac{1}{6} \times \frac{1}{7} = \frac{1}{42}$$

$$\frac{1}{6} \times \frac{1}{8} = \frac{1}{48}$$

$$\frac{1}{6} \times \frac{1}{9} = \frac{1}{54}$$

$$\frac{1}{6} \times \frac{1}{10} = \frac{1}{60}$$

$$\frac{1}{7} \times \frac{1}{7} = \frac{1}{49}$$

$$\frac{1}{7} \times \frac{1}{8} = \frac{1}{56}$$

$$\frac{1}{7} \times \frac{1}{9} = \frac{1}{63}$$

$$\frac{1}{7} \times \frac{1}{10} = \frac{1}{70}$$

$$\frac{1}{8} \times \frac{1}{8} = \frac{1}{64}$$

$$\frac{1}{8} \times \frac{1}{9} = \frac{1}{72}$$

$$\frac{1}{8} \times \frac{1}{10} = \frac{1}{80}$$

$$\frac{1}{9} \times \frac{1}{9} = \frac{1}{81}$$

$$\frac{1}{9} \times \frac{1}{10} = \frac{1}{90}$$

$$\frac{1}{10} \times \frac{1}{10} = \frac{1}{100}$$





$\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$        $\frac{1}{4} \times \frac{1}{5} = \frac{1}{20}$        $\frac{1}{6} \times \frac{1}{7} = \frac{1}{42}$        $\frac{1}{8} \times \frac{1}{9} = \frac{1}{72}$   
 one six    one six    one twenty    one twenty

$\frac{1}{10} \times \frac{1}{11} = \frac{1}{110}$        $\frac{1}{12} \times \frac{1}{13} = \frac{1}{156}$        $\frac{1}{14} \times \frac{1}{15} = \frac{1}{210}$        $\frac{1}{16} \times \frac{1}{17} = \frac{1}{272}$   
 one one hundred and ten    one one hundred and fifty six    one two hundred and ten    one two hundred and seventy two

$\frac{1}{18} \times \frac{1}{19} = \frac{1}{342}$        $\frac{1}{20} \times \frac{1}{21} = \frac{1}{420}$        $\frac{1}{22} \times \frac{1}{23} = \frac{1}{506}$        $\frac{1}{24} \times \frac{1}{25} = \frac{1}{600}$   
 one three hundred and forty two    one four hundred and twenty    one five hundred and six    one six hundred

$\frac{1}{26} \times \frac{1}{27} = \frac{1}{702}$        $\frac{1}{28} \times \frac{1}{29} = \frac{1}{812}$        $\frac{1}{30} \times \frac{1}{31} = \frac{1}{930}$        $\frac{1}{32} \times \frac{1}{33} = \frac{1}{1056}$   
 one seven hundred and two    one eight hundred and twelve    one nine hundred and thirty    one thousand and fifty six

$\frac{1}{34} \times \frac{1}{35} = \frac{1}{1190}$        $\frac{1}{36} \times \frac{1}{37} = \frac{1}{1332}$        $\frac{1}{38} \times \frac{1}{39} = \frac{1}{1482}$        $\frac{1}{40} \times \frac{1}{41} = \frac{1}{1640}$   
 one thousand and one hundred and ninety    one thousand and three hundred and thirty two    one thousand and four hundred and eighty two    one thousand and six hundred and forty

$\frac{1}{42} \times \frac{1}{43} = \frac{1}{1806}$        $\frac{1}{44} \times \frac{1}{45} = \frac{1}{1980}$        $\frac{1}{46} \times \frac{1}{47} = \frac{1}{2162}$        $\frac{1}{48} \times \frac{1}{49} = \frac{1}{2352}$   
 one thousand and eight hundred and six    one thousand and nine hundred and eighty    one thousand and one hundred and sixty two    one thousand and three hundred and fifty two

$\frac{1}{50} \times \frac{1}{51} = \frac{1}{2550}$        $\frac{1}{52} \times \frac{1}{53} = \frac{1}{2756}$        $\frac{1}{54} \times \frac{1}{55} = \frac{1}{2970}$        $\frac{1}{56} \times \frac{1}{57} = \frac{1}{3192}$   
 one thousand and five hundred and fifty    one thousand and seven hundred and fifty six    one thousand and nine hundred and seventy    one thousand and three hundred and ninety two

$\frac{1}{58} \times \frac{1}{59} = \frac{1}{3422}$        $\frac{1}{60} \times \frac{1}{61} = \frac{1}{3660}$        $\frac{1}{62} \times \frac{1}{63} = \frac{1}{3906}$        $\frac{1}{64} \times \frac{1}{65} = \frac{1}{4160}$   
 one thousand and three hundred and forty two    one thousand and three hundred and sixty    one thousand and three hundred and six    one thousand and four hundred and sixteen

$\frac{1}{66} \times \frac{1}{67} = \frac{1}{4422}$        $\frac{1}{68} \times \frac{1}{69} = \frac{1}{4692}$        $\frac{1}{70} \times \frac{1}{71} = \frac{1}{4970}$        $\frac{1}{72} \times \frac{1}{73} = \frac{1}{5256}$   
 one thousand and four hundred and twenty two    one thousand and four hundred and ninety two    one thousand and four hundred and seventy    one thousand and five hundred and fifty six

# REAL-TIME-ESTIMATION RESPONSE

and Molecular Dynamics

Typical  $\alpha$  and  $\beta$

The  $\alpha$  and  $\beta$  components of the response function are given by the following expressions:

$\alpha(\omega) = \frac{1}{2\pi} \int_{-\infty}^{\infty} dt e^{i\omega t} \langle \dot{Q}(t) \dot{Q}(0) \rangle$  and  $\beta(\omega) = \frac{1}{2\pi} \int_{-\infty}^{\infty} dt e^{i\omega t} \langle \ddot{Q}(t) \ddot{Q}(0) \rangle$

where  $\dot{Q}(t)$  and  $\ddot{Q}(t)$  are the first and second time derivatives of the coordinate  $Q(t)$ .

The  $\alpha$  and  $\beta$  components are related to the real and imaginary parts of the response function  $\chi(\omega)$  by the following expressions:

$\chi(\omega) = \alpha(\omega) + i\beta(\omega)$  and  $\chi(\omega) = \frac{1}{2\pi} \int_{-\infty}^{\infty} dt e^{i\omega t} \langle \dot{Q}(t) \dot{Q}(0) \rangle + i \frac{1}{2\pi} \int_{-\infty}^{\infty} dt e^{i\omega t} \langle \ddot{Q}(t) \ddot{Q}(0) \rangle$

The  $\alpha$  and  $\beta$  components are also related to the real and imaginary parts of the response function  $\chi(\omega)$  by the following expressions:

$\chi(\omega) = \alpha(\omega) + i\beta(\omega)$  and  $\chi(\omega) = \frac{1}{2\pi} \int_{-\infty}^{\infty} dt e^{i\omega t} \langle \dot{Q}(t) \dot{Q}(0) \rangle + i \frac{1}{2\pi} \int_{-\infty}^{\infty} dt e^{i\omega t} \langle \ddot{Q}(t) \ddot{Q}(0) \rangle$

The  $\alpha$  and  $\beta$  components are also related to the real and imaginary parts of the response function  $\chi(\omega)$  by the following expressions:

$\chi(\omega) = \alpha(\omega) + i\beta(\omega)$  and  $\chi(\omega) = \frac{1}{2\pi} \int_{-\infty}^{\infty} dt e^{i\omega t} \langle \dot{Q}(t) \dot{Q}(0) \rangle + i \frac{1}{2\pi} \int_{-\infty}^{\infty} dt e^{i\omega t} \langle \ddot{Q}(t) \ddot{Q}(0) \rangle$









THESE RESULTS ARE IN ACCORD WITH THE

| Region        | Year | Population    | Population Density | Population Growth |
|---------------|------|---------------|--------------------|-------------------|
| North America | 1990 | 230,000,000   | 23                 | 1.2%              |
| Europe        | 1990 | 510,000,000   | 105                | 0.5%              |
| Asia          | 1990 | 3,200,000,000 | 120                | 1.5%              |
| Africa        | 1990 | 530,000,000   | 25                 | 2.5%              |
| South America | 1990 | 280,000,000   | 25                 | 1.5%              |
| Oceania       | 1990 | 35,000,000    | 3                  | 1.0%              |

|  | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 | 2100 | 2101 | 2102 | 2103 | 2104 | 2105 | 2106 | 2107 | 2108 | 2109 | 2110 | 2111 | 2112 | 2113 | 2114 | 2115 | 2116 | 2117 | 2118 | 2119 | 2120 | 2121 | 2122 | 2123 | 2124 | 2125 | 2126 | 2127 | 2128 | 2129 | 2130 | 2131 | 2132 | 2133 | 2134 | 2135 | 2136 | 2137 | 2138 | 2139 | 2140 | 2141 | 2142 | 2143 | 2144 | 2145 | 2146 | 2147 | 2148 | 2149 | 2150 | 2151 | 2152 | 2153 | 2154 | 2155 | 2156 | 2157 | 2158 | 2159 | 2160 | 2161 | 2162 | 2163 | 2164 | 2165 | 2166 | 2167 | 2168 | 2169 | 2170 | 2171 | 2172 | 2173 | 2174 | 2175 | 2176 | 2177 | 2178 | 2179 | 2180 | 2181 | 2182 | 2183 | 2184 | 2185 | 2186 | 2187 | 2188 | 2189 | 2190 | 2191 | 2192 | 2193 | 2194 | 2195 | 2196 | 2197 | 2198 | 2199 | 2200 | 2201 | 2202 | 2203 | 2204 | 2205 | 2206 | 2207 | 2208 | 2209 | 2210 | 2211 | 2212 | 2213 | 2214 | 2215 | 2216 | 2217 | 2218 | 2219 | 2220 | 2221 | 2222 | 2223 | 2224 | 2225 | 2226 | 2227 | 2228 | 2229 | 2230 | 2231 | 2232 | 2233 | 2234 | 2235 | 2236 | 2237 | 2238 | 2239 | 2240 | 2241 | 2242 | 2243 | 2244 | 2245 | 2246 | 2247 | 2248 | 2249 | 2250 | 2251 | 2252 | 2253 | 2254 | 2255 | 2256 | 2257 | 2258 | 2259 | 2260 | 2261 | 2262 | 2263 | 2264 | 2265 | 2266 | 2267 | 2268 | 2269 | 2270 | 2271 | 2272 | 2273 | 2274 | 2275 | 2276 | 2277 | 2278 | 2279 | 2280 | 2281 | 2282 | 2283 | 2284 | 2285 | 2286 | 2287 | 2288 | 2289 | 2290 | 2291 | 2292 | 2293 | 2294 | 2295 | 2296 | 2297 | 2298 | 2299 | 2300 | 2301 | 2302 | 2303 | 2304 | 2305 | 2306 | 2307 | 2308 | 2309 | 2310 | 2311 | 2312 | 2313 | 2314 | 2315 | 2316 | 2317 | 2318 | 2319 | 2320 | 2321 | 2322 | 2323 | 2324 | 2325 | 2326 | 2327 | 2328 | 2329 | 2330 | 2331 | 2332 | 2333 | 2334 | 2335 | 2336 | 2337 | 2338 | 2339 | 2340 | 2341 | 2342 | 2343 | 2344 | 2345 | 2346 | 2347 | 2348 | 2349 | 2350 | 2351 | 2352 | 2353 | 2354 | 2355 | 2356 | 2357 | 2358 | 2359 | 2360 | 2361 | 2362 | 2363 | 2364 | 2365 | 2366 | 2367 | 2368 | 2369 | 2370 | 2371 | 2372 | 2373 | 2374 | 2375 | 2376 | 2377 | 2378 | 2379 | 2380 | 2381 | 2382 | 2383 | 2384 | 2385 | 2386 | 2387 | 2388 | 2389 | 2390 | 2391 | 2392 | 2393 | 2394 | 2395 | 2396 | 2397 | 2398 | 2399 | 2400 | 2401 | 2402 | 2403 | 2404 | 2405 | 2406 | 2407 | 2408 | 2409 | 2410 | 2411 | 2412 | 2413 | 2414 | 2415 | 2416 | 2417 | 2418 | 2419 | 2420 | 2421 | 2422 | 2423 | 2424 | 2425 | 2426 | 2427 | 2428 | 2429 | 2430 | 2431 | 2432 | 2 |
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| W. population | Sex | Stratified P. frequency | Ratio | P. ratio |
|---------------|-----|-------------------------|-------|----------|
| "             | "   | Stratified: Exploratory | "     | 1.00     |
| "             | "   | Stratified: Exploratory | "     | 1.00     |
| "             | "   | Stratified: Exploratory | "     | 1.00     |
| "             | "   | Stratified: Exploratory | "     | 1.00     |

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| Experiment | Int. Frequency | Int. Duration | Int. Interval | Int. Ratio |
|------------|----------------|---------------|---------------|------------|
| 1          | 100            | 100           | 100           | 1.00       |
| 2          | 100            | 100           | 100           | 1.00       |
| 3          | 100            | 100           | 100           | 1.00       |
| 4          | 100            | 100           | 100           | 1.00       |
| 5          | 100            | 100           | 100           | 1.00       |
| 6          | 100            | 100           | 100           | 1.00       |
| 7          | 100            | 100           | 100           | 1.00       |
| 8          | 100            | 100           | 100           | 1.00       |
| 9          | 100            | 100           | 100           | 1.00       |
| 10         | 100            | 100           | 100           | 1.00       |
| 11         | 100            | 100           | 100           | 1.00       |
| 12         | 100            | 100           | 100           | 1.00       |
| 13         | 100            | 100           | 100           | 1.00       |
| 14         | 100            | 100           | 100           | 1.00       |
| 15         | 100            | 100           | 100           | 1.00       |
| 16         | 100            | 100           | 100           | 1.00       |
| 17         | 100            | 100           | 100           | 1.00       |
| 18         | 100            | 100           | 100           | 1.00       |
| 19         | 100            | 100           | 100           | 1.00       |
| 20         | 100            | 100           | 100           | 1.00       |
| 21         | 100            | 100           | 100           | 1.00       |
| 22         | 100            | 100           | 100           | 1.00       |
| 23         | 100            | 100           | 100           | 1.00       |
| 24         | 100            | 100           | 100           | 1.00       |
| 25         | 100            | 100           | 100           | 1.00       |
| 26         | 100            | 100           | 100           | 1.00       |
| 27         | 100            | 100           | 100           | 1.00       |
| 28         | 100            | 100           | 100           | 1.00       |
| 29         | 100            | 100           | 100           | 1.00       |
| 30         | 100            | 100           | 100           | 1.00       |
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| 32         | 100            | 100           | 100           | 1.00       |
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| 35         | 100            | 100           | 100           | 1.00       |
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| 42         | 100            | 100           | 100           | 1.00       |
| 43         | 100            | 100           | 100           | 1.00       |
| 44         | 100            | 100           | 100           | 1.00       |
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| 46         | 100            | 100           | 100           | 1.00       |
| 47         | 100            | 100           | 100           | 1.00       |
| 48         | 100            | 100           | 100           | 1.00       |
| 49         | 100            | 100           | 100           | 1.00       |
| 50         | 100            | 100           | 100           | 1.00       |
| 51         | 100            | 100           | 100           | 1.00       |
| 52         | 100            | 100           | 100           | 1.00       |
| 53         | 100            | 100           | 100           | 1.00       |
| 54         | 100            | 100           | 100           | 1.00       |
| 55         | 100            | 100           | 100           | 1.00       |
| 56         | 100            | 100           | 100           | 1.00       |
| 57         | 100            | 100           | 100           | 1.00       |
| 58         | 100            | 100           | 100           | 1.00       |
| 59         | 100            | 100           | 100           | 1.00       |
| 60         | 100            | 100           | 100           | 1.00       |
| 61         | 100            | 100           | 100           | 1.00       |
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| 63         | 100            | 100           | 100           | 1.00       |
| 64         | 100            | 100           | 100           | 1.00       |
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| 69         | 100            | 100           | 100           | 1.00       |
| 70         | 100            | 100           | 100           | 1.00       |
| 71         | 100            | 100           | 100           | 1.00       |
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| 73         | 100            | 100           | 100           | 1.00       |
| 74         | 100            | 100           | 100           | 1.00       |
| 75         | 100            | 100           | 100           | 1.00       |
| 76         | 100            | 100           | 100           | 1.00       |
| 77         | 100            | 100           | 100           | 1.00       |
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| 79         | 100            | 100           | 100           | 1.00       |
| 80         | 100            | 100           | 100           | 1.00       |
| 81         | 100            | 100           | 100           | 1.00       |
| 82         | 100            | 100           | 100           | 1.00       |
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| 85         | 100            | 100           | 100           | 1.00       |
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| 87         | 100            | 100           | 100           | 1.00       |
| 88         | 100            | 100           | 100           | 1.00       |
| 89         | 100            | 100           | 100           | 1.00       |
| 90         | 100            | 100           | 100           | 1.00       |
| 91         | 100            | 100           | 100           | 1.00       |
| 92         | 100            | 100           | 100           | 1.00       |
| 93         | 100            | 100           | 100           | 1.00       |
| 94         | 100            | 100           | 100           | 1.00       |
| 95         | 100            | 100           | 100           | 1.00       |
| 96         | 100            | 100           | 100           | 1.00       |
| 97         | 100            | 100           | 100           | 1.00       |
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| 99         | 100            | 100           | 100           | 1.00       |
| 100        | 100            | 100           | 100           | 1.00       |

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| 79    | "  | "         | "   | AAA. Reproduction of | "    | "     | 270  |
| 80    | "  | "         | "   | BBB. Reproduction of | "    | "     | 271  |
| 81    | "  | "         | "   | CCC. Reproduction of | "    | "     | 272  |
| 82    | "  | "         | "   | DDD. Reproduction of | "    | "     | 273  |
| 83    | "  | "         | "   | EEE. Reproduction of | "    | "     | 274  |
| 84    | "  | "         | "   | FFF. Reproduction of | "    | "     | 275  |
| 85    | "  | "         | "   | GGG. Reproduction of | "    | "     | 276  |
| 86    | "  | "         | "   | HHH. Reproduction of | "    | "     | 277  |
| 87    | "  | "         | "   | III. Reproduction of | "    | "     | 278  |
| 88    | "  | "         | "   | JJJ. Reproduction of | "    | "     | 279  |
| 89    | "  | "         | "   | KKK. Reproduction of | "    | "     | 280  |
| 90    | "  | "         | "   | LLL. Reproduction of | "    | "     | 281  |
| 91    | "  | "         | "   | MMM. Reproduction of | "    | "     | 282  |
| 92    | "  | "         | "   | NNN. Reproduction of | "    | "     | 283  |
| 93    | "  | "         | "   | OOO. Reproduction of | "    | "     | 284  |
| 94    | "  | "         | "   | PPP. Reproduction of | "    | "     | 285  |
| 95    | "  | "         | "   | QQQ. Reproduction of | "    | "     | 286  |
| 96    | "  | "         | "   | RRR. Reproduction of | "    | "     | 287  |
| 97    | "  | "         | "   | SSS. Reproduction of | "    | "     | 288  |
| 98    | "  | "         | "   | TTT. Reproduction of | "    | "     | 289  |
| 99    | "  | "         | "   | UUU. Reproduction of | "    | "     | 290  |
| 100   | "  | "         | "   | VVV. Reproduction of | "    | "     | 291  |
| 101   | "  | "         | "   | WWW. Reproduction of | "    | "     | 292  |
| 102   | "  | "         | "   | XXX. Reproduction of | "    | "     | 293  |
| 103   | "  | "         | "   | YYY. Reproduction of | "    | "     | 294  |
| 104   | "  | "         | "   | ZZZ. Reproduction of | "    | "     | 295  |
| 105   | "  | "         | "   | AAA. Reproduction of | "    | "     | 296  |
| 106   | "  | "         | "   | BBB. Reproduction of | "    | "     | 297  |
| 107   | "  | "         | "   | CCC. Reproduction of | "    | "     | 298  |
| 108   | "  | "         | "   | DDD. Reproduction of | "    | "     | 299  |
| 109   | "  | "         | "   | EEE. Reproduction of | "    | "     | 300  |
| 110   | "  | "         | "   | FFF. Reproduction of | "    | "     | 301  |
| 111   | "  | "         | "   | GGG. Reproduction of | "    | "     | 302  |
| 112   | "  | "         | "   | HHH. Reproduction of | "    | "     | 303  |
| 113   | "  | "         | "   | III. Reproduction of | "    | "     | 304  |
| 114   | "  | "         | "   | JJJ. Reproduction of | "    | "     | 305  |
| 115   | "  | "         | "   | KKK. Reproduction of | "    | "     | 306  |
| 116   | "  | "         | "   | LLL. Reproduction of | "    | "     | 307  |
| 117   | "  | "         | "   | MMM. Reproduction of | "    | "     | 308  |
| 118   | "  | "         | "   | NNN. Reproduction of | "    | "     | 309  |
| 119   | "  | "         | "   | OOO. Reproduction of | "    | "     | 310  |
| 120   | "  | "         | "   | PPP. Reproduction of | "    | "     | 311  |
| 121   | "  | "         | "   | QQQ. Reproduction of | "    | "     | 312  |
| 122   | "  | "         | "   | RRR. Reproduction of | "    | "     | 313  |
| 123   | "  | "         | "   | SSS. Reproduction of | "    | "     | 314  |
| 124   | "  | "         | "   | TTT. Reproduction of | "    | "     | 315  |
| 125   | "  | "         | "   | UUU. Reproduction of | "    | "     | 316  |
| 126   | "  | "         | "   | VVV. Reproduction of | "    | "     | 317  |
| 127   | "  | "         | "   | WWW. Reproduction of | "    | "     | 318  |
| 128   | "  | "         | "   | XXX. Reproduction of | "    | "     | 319  |
| 129   | "  | "         | "   | YYY. Reproduction of | "    | "     | 320  |
| 130   | "  | "         | "   | ZZZ. Reproduction of | "    | "     | 321  |
| 131   | "  | "         | "   | AAA. Reproduction of | "    | "     | 322  |
| 132   | "  | "         | "   | BBB. Reproduction of | "    | "     | 323  |
| 133   | "  | "         | "   | CCC. Reproduction of | "    | "     | 324  |
| 134   | "  | "         | "   | DDD. Reproduction of | "    | "     | 325  |
| 135   | "  | "         | "   | EEE. Reproduction of | "    | "     | 326  |
| 136   | "  | "         | "   | FFF. Reproduction of | "    | "     | 327  |
| 137   | "  | "         | "   | GGG. Reproduction of | "    | "     | 328  |
| 138   | "  | "         | "   | HHH. Reproduction of | "    | "     | 329  |
| 139   | "  | "         | "   | III. Reproduction of | "    | "     | 330  |
| 140   | "  | "         | "   | JJJ. Reproduction of | "    | "     | 331  |
| 141   | "  | "         | "   | KKK. Reproduction of | "    | "     | 332  |
| 142   | "  | "         | "   | LLL. Reproduction of | "    | "     | 333  |
| 143   | "  | "         | "   | MMM. Reproduction of | "    | "     | 334  |
| 144   | "  | "         | "   | NNN. Reproduction of | "    | "     | 335  |
| 145   | "  | "         | "   | OOO. Reproduction of | "    | "     | 336  |
| 146   | "  | "         | "   | PPP. Reproduction of | "    | "     | 337  |
| 147   | "  | "         | "   | QQQ. Reproduction of | "    | "     | 338  |
| 148   | "  | "         | "   | RRR. Reproduction of | "    | "     | 339  |
| 149   | "  | "         | "   | SSS. Reproduction of | "    | "     | 340  |
| 150   | "  | "         | "   | TTT. Reproduction of | "    | "     | 341  |
| 151   | "  | "         | "   | UUU. Reproduction of | "    | "     | 342  |
| 152   | "  | "         | "   | VVV. Reproduction of | "    | "     | 343  |
| 153   | "  | "         | "   | WWW. Reproduction of | "    | "     | 344  |
| 154   | "  | "         | "   | XXX. Reproduction of | "    | "     | 345  |
| 155   | "  | "         | "   | YYY. Reproduction of | "    | "     | 346  |
| 156   | "  | "         | "   | ZZZ. Reproduction of | "    | "     | 347  |
| 157   | "  | "         | "   | AAA. Reproduction of | "    | "     | 348  |
| 158   | "  | "         | "   | BBB. Reproduction of | "    | "     | 349  |
| 159   | "  | "         | "   | CCC. Reproduction of | "    | "     | 350  |
| 160   | "  | "         | "   | DDD. Reproduction of | "    | "     | 351  |
| 161   | "  | "         | "   | EEE. Reproduction of | "    | "     | 352  |
| 162   | "  | "         | "   | FFF. Reproduction of | "    | "     | 353  |
| 163   | "  | "         | "   | GGG. Reproduction of | "    | "     | 354  |
| 164   | "  | "         | "   | HHH. Reproduction of | "    | "     | 355  |
| 165   | "  | "         | "   | III. Reproduction of | "    | "     | 356  |
| 166   | "  | "         | "   | JJJ. Reproduction of | "    | "     | 357  |
| 167   | "  | "         | "   | KKK. Reproduction of | "    | "     | 358  |
| 168   | "  | "         | "   | LLL. Reproduction of | "    | "     | 359  |
| 169   | "  | "         | "   | MMM. Reproduction of | "    | "     | 360  |
| 170   | "  | "         | "   | NNN. Reproduction of | "    | "     | 361  |
| 171   | "  | "         | "   | OOO. Reproduction of | "    | "     | 362  |
| 172   | "  | "         | "   | PPP. Reproduction of | "    | "     | 363  |
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| 176   | "  | "         | "   | TTT. Reproduction of | "    | "     | 367  |
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| 179   | "  | "         | "   | WWW. Reproduction of | "    | "     | 370  |
| 180   | "  | "         | "   | XXX. Reproduction of | "    | "     | 371  |
| 181   | "  | "         | "   | YYY. Reproduction of | "    | "     | 372  |
| 182   | "  | "         | "   | ZZZ. Reproduction of | "    | "     | 373  |
| 183   | "  | "         | "   | AAA. Reproduction of | "    | "     | 374  |
| 184   | "  | "         | "   | BBB. Reproduction of | "    | "     | 375  |
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| 187   | "  | "         | "   | EEE. Reproduction of | "    | "     | 378  |
| 188   | "  | "         | "   | FFF. Reproduction of | "    | "     | 379  |
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| 191   | "  | "         | "   | III. Reproduction of | "    | "     | 382  |
| 192   | "  | "         | "   | JJJ. Reproduction of | "    | "     | 383  |
| 193   | "  | "         | "   | KKK. Reproduction of | "    | "     | 384  |
| 194   | "  | "         | "   | LLL. Reproduction of | "    | "     | 385  |
| 195   | "  | "         | "   | MMM. Reproduction of | "    | "     | 386  |
| 196   | "  | "         | "   | NNN. Reproduction of | "    | "     | 387  |
| 197   | "  | "         | "   | OOO. Reproduction of | "    | "     | 388  |
| 198   | "  | "         | "   | PPP. Reproduction of | "    | "     | 389  |
| 199   | "  | "         | "   | QQQ. Reproduction of | "    | "     | 390  |
| 200   | "  | "         | "   | RRR. Reproduction of | "    | "     | 391  |
| 201   | "  | "         | "   | SSS. Reproduction of | "    | "     | 392  |
| 202   | "  | "         | "   | TTT. Reproduction of | "    | "     | 393  |
| 203   | "  | "         | "   | UUU. Reproduction of | "    | "     | 394  |
| 204   | "  | "         | "   | VVV. Reproduction of | "    | "     | 395  |
| 205   | "  | "         | "   | WWW. Reproduction of | "    | "     | 396  |
| 206   | "  | "         | "   | XXX. Reproduction of | "    | "     | 397  |
| 207   | "  | "         | "   | YYY. Reproduction of | "    | "     | 398  |
| 208   | "  | "         | "   | ZZZ. Reproduction of | "    | "     | 399  |
| 209   | "  | "         | "   | AAA. Reproduction of | "    | "     | 400  |
| 210   | "  | "         | "   | BBB. Reproduction of | "    | "     | 401  |
| 211   | "  | "         | "   | CCC. Reproduction of | "    | "     | 402  |
| 212   | "  | "         | "   | DDD. Reproduction of | "    | "     | 403  |
| 213   | "  | "         | "   | EEE. Reproduction of | "    | "     | 404  |
| 214   | "  | "         | "   | FFF. Reproduction of | "    | "     | 405  |
| 215   | "  | "         | "   | GGG. Reproduction of | "    | "     | 406  |
| 216   | "  | "         | "   | HHH. Reproduction of | "    | "     | 407  |
| 217   | "  | "         | "   | III. Reproduction of | "    | "     | 408  |
| 218   | "  | "         | "   | JJJ. Reproduction of | "    | "     | 409  |
| 219   | "  | "         | "   | KKK. Reproduction of | "    | "     | 410  |
| 220   | "  | "         | "   | LLL. Reproduction of | "    | "     | 411  |
| 221   | "  | "         | "   | MMM. Reproduction of | "    | "     | 412  |
| 222   | "  | "         | "   | NNN. Reproduction of | "    | "     | 413  |
| 223   | "  | "         | "   | OOO. Reproduction of | "    | "     | 414  |
| 224   | "  | "         | "   | PPP. Reproduction of | "    | "     | 415  |
| 225   | "  | "         | "   | QQQ. Reproduction of | "    | "     | 416  |
| 226</ |    |           |     |                      |      |       |      |



**FOR MORE INFORMATION:**

1995 1996 1997 1998 1999

| Male date | Substrate       | Leaf | Size |
|-----------|-----------------|------|------|
| 1         | Orange (Bridge) | 1    | 100  |
| 1         | Red (Bridge)    | 1    | 100  |

Author: **Barry J. Gold**      Editor: **Barry J. Gold**      Publisher: **Barry J. Gold**

|       |       |              |            |     |     |
|-------|-------|--------------|------------|-----|-----|
| *Open | Trade | Mid. Eastern | 2002       | 100 |     |
| 1     | 1     | *Open        | Investment | 1   | 100 |



| Year | Sub-Region         | Major Diseases | Prevalence (%) |
|------|--------------------|----------------|----------------|
| 1990 | Sub-Saharan Africa | Malaria        | 15.0           |
| 1995 | Sub-Saharan Africa | Malaria        | 18.0           |
| 2000 | Sub-Saharan Africa | Malaria        | 20.0           |
| 2005 | Sub-Saharan Africa | Malaria        | 22.0           |
| 2010 | Sub-Saharan Africa | Malaria        | 24.0           |














| Year | Month | Day | Event            | Location         | Notes            |
|------|-------|-----|------------------|------------------|------------------|
| 1990 | 10    | 10  | 10th Anniversary | 10th Anniversary | 10th Anniversary |
| 1990 | 10    | 10  | 10th Anniversary | 10th Anniversary | 10th Anniversary |
| 1990 | 10    | 10  | 10th Anniversary | 10th Anniversary | 10th Anniversary |
| 1990 | 10    | 10  | 10th Anniversary | 10th Anniversary | 10th Anniversary |

1. *Journal of the American Medical Association*, 2000; 284: 2689-2695.

**DEPARTMENT OF THE ARMY**

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THE UNIVERSITY OF CHICAGO

[illegible]







Tally Tally Types

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3 3

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Tally Tally Types

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