





1992















WORLD



$n$  $\sum$  $w_i \cdot v(x_i),$  $i=1$



$n$  $\sum$  $w_i v_i,$  $i=1$









[w] 1 2 3 4 5 6 7 8 9

W

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[

1

2

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T

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2

3

4





Q

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E

Q







1

2

3

4

5

6

for  $\alpha = 1$ ,  $m = 1$ ,  $\alpha = 1$ ,  $m = 1$ ,  $\alpha = 1$ ,  $m = 1$



AWWT T









1990





100%

Q2

A pixelated, grayscale drawing of the number '2' with a horizontal line extending to the left, forming a 'Q2' shape. The drawing is composed of black and gray pixels on a white background. The '2' is positioned in the upper right, and the horizontal line extends from its left side towards the left edge of the image. The overall appearance is that of a low-resolution digital graphic.



$$E\left[\left(v_0 - \sum_{i=1}^n w_i v_i\right)^2\right]$$



$$E(v_0 v_0) - 2 \sum_{i=1}^n E(v_i v_0) w_i + \sum_{i=1}^n \sum_{j=1}^n E(v_i v_j) w_i w_j$$

$$\sigma_v^2 - 2 \sum_{i=1}^n c_i w_i + \sum_{i=1}^n \sum_{j=1}^n c_{ij} w_i w_j.$$

$$\frac{\partial \sigma_E^2}{\partial w_i} = -2c_i + 2 \sum_{j=1}^n C_{ij} w_j = 0$$



$$\sum_{j=1}^n C_{ij} w_j = C_i$$



W E 1 2





$$\sigma_v^2 - 2 \sum_{i=1}^n c_i w_i + \sum_{i=1}^n c_i w_i$$

$$\sigma_v^2 = \sum_{i=1}^n c_i w_i$$

0 2

—

C T .

V W .





100%

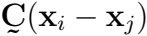
100%

$n$  $\sum$  $w_i$  $\cdot$  $v(x_i)$  $i=1$





$$\|x_i - x_0\|^{-2} / \sum_{j=1}^n \|x_j - x_0\|^{-2}.$$

























iiii) (A) x 2 , || x 2 ) .













W T E [ O R , O ]



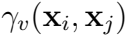


W T E L O B O , O B I





W T = 1 0



$$\frac{1}{2} E \{ [v(x_i) - v(x_j)]^2 \} = \sigma_v^2 - C_{ij}.$$

$$\psi(x) = \int_0^{\infty} \psi(x) dx = \int_0^{\infty} \psi(x) dx$$







WORLDWIDE



2020

—

© 2020

*W* *h* *e* *r* *e* *h* *e* *r* *e* *.*





A pixelated, black and white graphic of the number 90. The digit '9' is on the left, and the digit '0' is on the right. Both digits are composed of a thick, black outline with a white interior, rendered in a low-resolution, pixelated style. The '9' has a curved top and a short tail extending downwards and to the right. The '0' is a simple, rounded rectangle with a small gap at the bottom. The entire graphic is set against a plain white background.



Principles of Algebra

1984



1 - EXPD - 3111 - WDW -

Q&A

ERIN WILSON















Sum) = d) E) = d) E) = d) E)

0.000000

0.000000

Q

7

0

0

COOL + COOL



AS



am<sub>T</sub>

(m)



ETCO<sub>2</sub> in arterial blood  
ETCO<sub>2</sub> in = O<sub>2</sub>;



THE TROUBLE WITH THE TROUBLEMAKER

CONFECTION - 1d  
CONFECTION - 1d



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FOR THE FRONTIER

Q E T C P I E + C P I E T



ERTIC - IERIC - IERIC





Q  
T

E

ET

E

→

O

111

1

111

0

1

2







A large, pixelated, black letter 'F' with a thick vertical stem and a horizontal top bar. The letter has a slightly irregular, hand-drawn appearance with some gray shading at the corners and ends.A large, pixelated, black letter 'C' with a thick, rounded body. The letter is slightly irregular with some gray shading at the top and bottom edges.A small, pixelated, black lowercase letter 'm' followed by a lowercase letter 'n'. Both letters are thick and have a slightly irregular, hand-drawn appearance with some gray shading.A large, pixelated, black letter 'F' with a thick vertical stem and a horizontal top bar. The letter has a slightly irregular, hand-drawn appearance with some gray shading at the corners and ends.A large, pixelated, black letter 'T' with a thick vertical stem and a horizontal top bar. The letter has a slightly irregular, hand-drawn appearance with some gray shading at the corners and ends.A small, pixelated, black lowercase letter 'f' with a thick vertical stem and a horizontal top bar. The letter has a slightly irregular, hand-drawn appearance with some gray shading.A small, pixelated, black lowercase letter 'c' with a thick, rounded body. The letter is slightly irregular with some gray shading at the top and bottom edges.A small, pixelated, black lowercase letter 'f' with a thick vertical stem and a horizontal top bar. The letter has a slightly irregular, hand-drawn appearance with some gray shading.



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TORONTO

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