

A pixelated representation of the digit 9, rendered in grayscale. The digit is composed of several horizontal and vertical strokes, with some areas appearing darker than others, suggesting a gradient or shadow effect.A pixelated representation of the digit 1, rendered in grayscale. It consists of two thick horizontal bars, one above the other, with a small vertical stroke on the right side connecting them.A pixelated representation of the digit 0, rendered in grayscale. It is a large, rounded shape with a thick border and a small vertical stroke on the right side.A pixelated representation of the digit 2, rendered in grayscale. It is a small, simple shape consisting of a few pixels.A pixelated representation of the digit 3, rendered in grayscale. It is a large, rounded shape with a thick border and a small vertical stroke on the right side.A pixelated representation of the digit 4, rendered in grayscale. It is a large, rounded shape with a thick border and a small vertical stroke on the right side.



W E A

WELLS

WELLS



$$\int e^{-i2\pi st} w(t) dt \text{ and}$$

W E A

$$\int e^{i2\pi st} \tilde{w}(s) ds.$$

$$C_w = \int \frac{1}{|s|} \tilde{w}(s) ds.$$

W E R N | S E







$v(t) = \cos(2\pi t) - \pi t^2$



$$\int w(xt) dx = C_w \cdot \delta(t).$$



Proof : $\int w(vt) dv = \int \left\{ \int \frac{1}{|u|} \tilde{w}\left(\frac{s}{u}\right) e^{i2\pi st} ds \right\} dv \dots$

9.9

A pixelated, black and white graphic of the phrase "I am a worm, but I am not a worm". The text is arranged in two lines. The first line contains the words "I am a worm" and the second line contains "but I am not a worm". The characters are thick and blocky, with a jagged, pixelated edge. The word "I" is the largest character. The phrase is centered horizontally. The background is white, and the text is black with some gray shading to create a sense of depth or shadow.

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

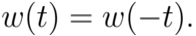
$$\int w(xt) dx$$

$$\int \int \left| \frac{v'}{s'} \right| \tilde{w}(v') e^{i2\pi s' t} \left| \frac{s'}{v'^2} \right| ds' dv'$$

$$\int \int_{|x'|} \frac{1}{x'} \tilde{v}(x') e^{i2\pi s' t} ds' dx'$$

$$\left\{ \frac{1}{|x'|} \tilde{w}(x') dx' \right\} \cdot \left\{ \int e^{i2\pi s' t} ds' \right\}$$

QWERTYUIOP



1990



100%

$$F(x, a) = \int v[x(a-t)] f(t) dt.$$









$$f(t) = \int_0^1 F(x, a=t) dx.$$

$$\text{Proof} : C_w^{-1} \int F(w, a = t) dw$$

$$C_w^{-1} \int \left\{ w [w(t-t')] f(t') dt' \right\} dw$$

$$\int_{\mathcal{W}} \int_{\mathcal{V}} \left\{ v \left[v(t-t') \right] dv \right\} f(t') dt'$$

$$C_w^{-1} \int C_w \delta(t - t') f(t') dt'$$

1000

Q. A. R. E. F. E. R. E. N. C. E. S.











$$t(\tau_0) + (\tau - \tau_0) \cdot \frac{dt}{d\tau}(\tau_0) \quad \text{and}$$



$$\tau_0 + [t - t(\tau_0)] \cdot \left[\frac{dt}{d\tau}(\tau_0) \right]^{-1} \cdot$$

9 4 5

$$G(v, b) = \int w[v(b - \tau)]g(\tau) d\tau \quad \text{and}$$

$$g(\tau) = C_w^{-1} \int G(v, b = \tau) dv.$$

Google

$$G(v, b) \approx \left| \frac{dt}{d\tau}(b) \right|^{-1} F \left\{ u = v \cdot \left[\frac{dt}{d\tau}(b) \right]^{-1}, a = t(b) \right\}.$$

FRIDAY : GROUNDWATER

$$\int w [v(b - \pi)] \cdot f [t(\pi)] d\pi$$

$$\int v[v(b - \tau)] \cdot f \left[t(b) + (\tau - b) \cdot \frac{dt}{d\tau}(b) \right] d\tau \dots$$





$$t(b) + (\tau - b) \cdot \frac{dt}{d\tau}(b) \quad \text{and}$$



$$b + [t' - t(b)] \cdot \left[\frac{dt}{d\tau}(b) \right]^{-1} \cdot$$

Google

$$\int w \left\{ v \cdot [t(b) - t'] \cdot \left[\frac{dt}{d\tau}(b) \right]^{-1} \right\} \cdot f(t') \cdot \left| \frac{dt}{d\tau}(b) \right|^{-1} dt'$$

$$\left| \frac{dt}{d\tau}(b) \right|^{-1} \int w \left\{ v \left[\frac{dt}{d\tau}(b) \right]^{-1} \cdot [t(b) - t'] \right\} \cdot f(t') dt'$$

$$\left| \frac{dt}{d\tau}(b) \right|^{-1} F \left\{ v = v \cdot \left[\frac{dt}{d\tau}(b) \right]^{-1}, a = t(b) \right\}.$$

1978

www.pearson.com

www.berkeley.org

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COOPER'S
21ST ANNIVERSARY

90

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עשרת השבועות (שמיני עצרת) - עשרת השבועות.







1000



1992-93

1992-1993

ERIP 41 450

$$\int m g(t) dt = \int e^{-\pi (st/h)^2} dt = \frac{h}{s},$$









41025E10

1995

$$\int e^{-i2\pi st} m_g(t) dt = \int e^{-i2\pi st} e^{-\pi(st/h)^2} dt$$

$$\frac{\hbar}{s} e^{-\pi (\hbar s / s)^2} .$$





1992

$$\int e^{-i2\pi st} m_c(t) dt = \int e^{-i2\pi st} \cos(2\pi st) dt$$

$$\frac{1}{2} \delta(s + \bar{s}) + \frac{1}{2} \delta(s - \bar{s}).$$

1989

$$\int e^{-i2\pi st} m(t) dt = \int e^{-i2\pi st} m_g(t) m_c(t) dt$$

$$\tilde{m}_g(s) * \tilde{m}_c(s) = \int \tilde{m}_g(s') \tilde{m}_c(s - s') ds'$$

$$\frac{\hbar}{2s} e^{-\pi [h(s+\bar{s})/\bar{s}]^2} + \frac{\hbar}{2\bar{s}} e^{-\pi [h(s-\bar{s})/\bar{s}]^2} .$$

$$\int |m_g(t)|^2 dt = \int e^{-2\pi (st/h)^2} dt = \frac{1}{\sqrt{2}} \frac{h}{s},$$

$$\int |m_g(t)|^2 t^2 dt = \int e^{-2\pi(\bar{s}t/h)^2} t^2 dt = \frac{1}{4\sqrt{2\pi}} \frac{h^3}{s^3} .$$



$$\frac{\int |m_g(t)|^2 t^2 dt}{\int |m_g(t)|^2 dt} = \frac{1}{4\pi} \frac{h^2}{s^2};$$



1

h

2 $\sqrt{\pi}$

s

•



$$\frac{\int |\tilde{m}_g(s)|^2 s^2 ds}{\int |\tilde{m}_g(s)|^2 ds} = \frac{1}{4\pi} \frac{s^2}{h^2};$$



1

5

2

$\sqrt{\pi}$

h

•

$$\Delta S \Delta t = \frac{1}{4\pi} .$$