



$=$

$$\frac{g(x)}{f(y)}$$

$$dv$$

$$dx$$

$$f(v)$$



$$\int f(y) dy = \int g(x) dx$$





$$e^{-y} dy$$

$$= \int e^x dx$$















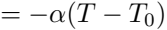














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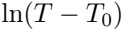
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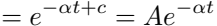
0

$$= -a \int dt$$























—

10

+

AP

— 00



5

20

+

70e

=

100



70

—

20

5

==

—

==

—

70

7



5

20

+

70e

=

200

100%



$$= 20 + 70 \left(\frac{5}{7} \right)^2 = 55.7^\circ \text{C}$$









=

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



=

y

so

y

=

vx

x

$$= \frac{d}{dx} vx$$



$$= v + x \frac{dv}{dx} = f(v)$$

dv



dv

=

$$\frac{f(v) - v}{x}$$



$$= \frac{v}{x^2} (x - v) = \frac{v}{x} - \left(\frac{v}{x} \right)^2$$

$$= v + x \frac{dv}{dx} = v - v^2 \quad \text{separable}$$

$$\int \frac{-dv}{v^2}$$

=



dx



x



$$= \ln x + c = \frac{x}{y}$$

x

$=$

$-----$

$\ln x + c$







1

=

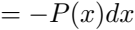
$\ln(1) + c$



$$\frac{dv}{dx} + v \cdot P(x) = Q(x)$$



dy \cdot $\frac{1}{y}$



— Ad — Pdx — vder — A — C



$$\frac{d}{dx} \left(x^2 \sin x \right) = 2x \sin x + x^2 \cos x$$











1993

$$= \frac{\mu'}{\mu} = \frac{d}{dx} \ln(\mu)$$

$$\int P(x) dx$$





1999

$$\cos(x) \frac{dy}{dx} + \sin(x)y$$

$$\frac{dy}{dx} + \tan(x)y$$

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$$\tan(x) dx$$

separated by
multiple
ODE by

$$\frac{dy}{dx} \sec(x) + \sec(x) \tan(x) y$$

— 992 99

$\frac{d}{dx} \sec x = \sec x \tan x$

$$\frac{d}{dx} \sec(x) \cdot y$$

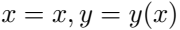
$$= \frac{dy}{dx} \sec(x) + \sec(x) \tan(x) y$$

$$= \int \sec^2(x) = \tan(x) + c$$



A pixelated, black and white representation of the word "Wikipedia". The letters are composed of a grid of small squares, giving it a digital or retro aesthetic. The font is a clean, sans-serif style. The word is centered horizontally and takes up most of the width of the image.

$$\frac{d}{dt} f(x, y) = \frac{\delta f}{\delta x} \frac{dx}{dt} + \frac{\delta f}{\delta y} \frac{dy}{dt}$$



$$\frac{d}{dx} f(x, y) = \frac{\delta f}{\delta x} + \frac{\delta f}{\delta x} \frac{dy}{dx}$$

$$M(x, y) + N(x, y) \frac{dy}{dx} = 0$$

$$\frac{\delta f}{\delta x} = M$$

$$\frac{\delta f}{\delta x} = N$$

02 f



0 x 0 y

$$= \frac{\delta^2 f}{\delta y \delta x}$$

ON



OC

δN $=$ $\frac{\delta N}{\delta y}$ δy

$$x + y^2 + 2xy \frac{dy}{dx}$$





ON



dy



5

1

2



5

2



of

==

oc



Mdx

$$= f = \frac{1}{2}x^2 + xv^2 + g(v)$$



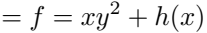
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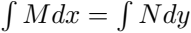
of

ov



Ndy





[illegible]

$$f(x, y) = \frac{1}{2}x^2 + xy^2 + c = 0$$