

dx code constipation

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calculus - $\frac{dx(t)}{dx}$ vs. $\frac{dx}{dx}$ - Mathematics Stack Exchange

Think about $\frac{dx}{dx} \frac{d}{dx} x$ as $\frac{d}{dx} \left(\frac{dx}{dx} x \right)$ which means the derivative of the function x (taking x to be the variable--from the denominator of the fraction). Whereas $\frac{dx(t)}{dx} \frac{d}{dx} x(t)$ means $\frac{d}{dx} \left(\frac{dx(t)}{dx} x(t) \right)$ so the derivative with respect to x of some function of t . A function of t has no variable x , so appears as a ...

□□□□**dx**□**dy**□□□□□□□□ - □□

$\frac{d}{dy}$

calculus - What does dx mean? - Mathematics Stack Exchange

dx appears in differential equations, such as derivatives and integrals. For example, a function $f(x)$ its first derivative is $\frac{d}{dx}f(x)$ and its integral $\int f(x)dx$. But I don't really understand what dx is.

$$\frac{d}{dt} \int_{\Omega} \rho \, dx = 0$$
$$\int_0^{\infty} f(x) dx = \int_0^{\infty} f(x) dx = 0 \cdot x = \dots$$

What does the dx mean in an integral? [duplicate]

The "dx dx" lets people think informally that you're multiplying a height, $f(x)$, by an "infinitesimal width", dx , and then taking an infinite sum.

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What is dx in integration? - Mathematics Stack Exchange

If $f(x)$ is in meters per second and dx is in seconds, then $f(x)dx$ is in meters, and so is the integral. These things should be dimensionally correct, and are not so without the " dx ". Sometimes one has a dot-product or a cross-product or a matrix product or some other sort of product between $f(x)$ and dx .

