



jul 13 2015 the right question is not what is a differential but how do differentials behave let me explain this by way of an analogy suppose i teach you all the rules for adding and multiplying

see this answer in quora what is the difference between derivative and differential in simple words the rate of change of function is called as a derivative and differential is the actual change of

oct 3 2019 i am a bit confused about differentials and this is probably partly due to what i find to be a rather confusing teaching approach i know there are a bunch of similar questions around but none o

dec 21 2025 proving uniqueness of solution of a differential equation ask question asked 2 months ago modified 2 months ago

jun 24 2020 if the differential equation contains logarithm exponential and trigonometric function of the derivative then degree is not defined i e the equation has to be polynomial function to define

nov 3 2016 what bothers me is this definition is completely circular i mean we are defining differential by differential itself can we define differential more precisely and rigorously p s is it possible to

jun 8 2013 2 one could define a linear differential equation as one in which linear combinations of its solutions are also solutions

i am quite new to differential equations and derivatives i want to derive an differential form for equation of an ellipse if i start with an ordinary ellipse equation begin equation  $\frac{x^2}{a^2} + \frac{y^2}{b^2} = 1$

apr 30 2020 why are the partial differential equations so named i e elliptical hyperbolic and parabolic i do know the condition at which a general second order partial differential equation

differential geometry is the application of differential calculus in the setting of smooth manifolds curves surfaces and higher dimensional examples modern differential geometry focuses on geometric

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