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~~A Primer for Ordinary Differential Equations~~

An ordinary differential equation (ODE) is an equation containing an unknown function of one real or complex

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variable  $x$ , its derivatives, and some given functions of  $x$ . The unknown function is generally represented by a variable (often denoted  $y$ ), which, therefore, depends on  $x$ . Thus  $x$  is often called the independent variable of the equation. The term "ordinary" is used in contrast with the term ...

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