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Primer for Ordinary Differential Equations . After reading this chapter, you should be able to: 1. define an ordinary differential equation, 2. differentiate between an ordinary and partial differential equation, and . 3. solve linear ordinary differential equations with fixed constants by using classical solution and Laplace transform techniques.

Chapter 08.01 Primer for Ordinary Differential Equations

Primer for Ordinary Differential Equations. After reading this chapter, you should be able to: define an ordinary differential equation, differentiate between an ordinary and partial differential equation, and. solve linear ordinary differential equations with fixed constants by using classical solution and Laplace transform techniques. Introduction

A Primer for Ordinary Differential Equations

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

Differential equation - Wikipedia

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 where the right-hand side is the vector of partial derivatives of the negative of the Hamiltonian with respect to the state variables.

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