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(3) Simmons, Differential Equations with Applications and Historical Notes (1991, second edition). As an adjunct, one can hardly ignore Dieudonne's Infinitesimal Calculus (1971, chapter eleven, Hermann). Now, my first introductory course in differential equations occurred late 1996, where not one of the above mentioned texts was ever referenced.

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Population Let $P(t)$ be a quantity that increases with time t and the rate of increase is proportional to the same quantity P as follows $dP/dt = kP$

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Differential Equations - Introduction

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1.2 solutions of linear equations. chapter two. simultaneous linear differential equation with constraints coefficients. 2.1 linear operator. chapter three. application of simultaneous differential equations and examples. 3.2 application to astronomy. chapter four. summary. 4.1 conclusion. 4.2 recommendation. references. chapter one introduction

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Fourier Series and Differential Equations with some ...

Ordinary differential equations

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applications in real life are used to calculate the movement or flow of electricity, motion of an object to and fro like a pendulum, to explain thermodynamics concepts. Also, in medical terms, they are used to check the growth of diseases in graphical representation.

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