



MITx CSE.0002x

Introduction to Computational Science and Engineering

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10.1.1 Objective

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The objective of this module is to introduce systems of linear differential equations including an example of how these systems arise through an application. In the time-dependent case, the problem is an Initial Value Problem (IVP) and can be solved by numerical time integration. In the case when all the time derivatives are zero, which we will refer to as the equilibrium condition, an algebraic system of equations needs to be solved to find the equilibrium

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