Module 3 - Newton's Approach

ME3050 - Dynamics Modeling and Controls

June 03, 2020

Topic 2 - Vector vs. Energy Approach

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- Section I

- Section II

- Section III

- Section IV

Section I

Section II

Simple Example: Quarter Car Suspension Model

- **Problem Statement** - **Derive the equations of motion using (1) Newton's approach and validate using the (2) Conservation of Energy.**

- **Assumptions** - **List the assumptions used in the modeling process.**

Section III

Section IV