

Dynamics Review - Lecture 1

ME3050 - Dynamics Modeling and Controls

May 27, 2020

What is Dynamics?

Lecture 1 - What is Dynamics?

- Welcome Back!
- Definition of *Dynamics*
- Dynamics in Mechanical Engineering
- Examples

Welcome to New Video Lectures

Welcome Back!

- Things are going to be different but we will still learn!
- These new outlines should help keep me/us on track.
- The material will be organized in 10-15 min videos, and you can watch them at anytime.

What is Dynamics?

"Dynamics is the study of how moving objects behave. Dynamics is the part of mechanics that studies movement and its causes. The study of the causes of motion and changes in motion is known as dynamics. Dynamics is the study of how moving objects behave."

"The dynamical system concept is a mathematical formalization for any fixed "rule" which describes the time dependence of a point's position in its ambient space. "

Dynamics in Mechanical Engineering

Why are we studying Dynamics?

Examples

Cool Stuff...