

Dynamics Review - Topic 3

ME3050 - Dynamics Modeling and Controls

May 29, 2020

Describing Motion

Lecture 3 - Describing Motion

- Degrees of Freedom
- Translation
- Rotation
- Coordinate Systems

Degrees of Freedom

The Degrees of Freedom is the number of independent motions that exist in a system.

OR

The Degrees of Freedom is the minimum number of coordinates required to completely describe motion or state of the system.

Translation

Rotation

Coordinate Systems