

ME 3050 Lecture - Dynamics Review - Lecture 3

- Motion can be represented as a combination of _____ and _____.
 - All of the points on a single rigid body in motion have the same _____.
 - Today we are going to talk about the dynamics of **Rotation**.
 1. **Rotation About a Fixed Axis** (Ch3.2)
 - Moment Equations
 - Calculating Inertias
 - Parallel Axis Theorem
 2. **Sliding and Rolling** Motion (Ch3.3.2)
 3. **General Planar** Motion (Ch3.4)

1. Rotation About a Fixed Axis

2. Sliding and Rolling Motion

3. General Planar Motion