

ENGR 222 Dynamics
Problem Set #7

Meriam and Kraige, Engineering Mechanics-Dynamics (Eighth Edition)

Material Covered: Chapter 4-1 to 4-5, 5-1 to 5-3

Topics Covered:

Systems of particles

Newton's second law

Energy conservation

Momentum conservation

Angular momentum conservation

Planar kinematics of rigid bodies

Absolute motion

Relative motion

Instantaneous center of zero velocity

1. Meriam and Kraige (8th ed.), problem 4/24.
2. Meriam and Kraige (8th ed.), problem 4/29.
3. Meriam and Kraige (8th ed.), problem 5/12.
4. Meriam and Kraige (8th ed.), problem 5/20.
5. Meriam and Kraige (8th ed.), problem 5/50.
6. Meriam and Kraige (8th ed.), problem 5/58.