

Table of Contents

	Literature, Notation	IX
1	Kinematics of a Point.....	1
2	Kinetics of a Point Mass	29
3	Dynamics of a System of Point Masses	59
4	Kinematics of Rigid Bodies	77
5	Kinetics of a Rigid Body	99
6	Impact	147
7	Vibrations	169
8	Non-Inertial Reference Frames	195
9	Principles of Mechanics	211
10	Hydrodynamics	227