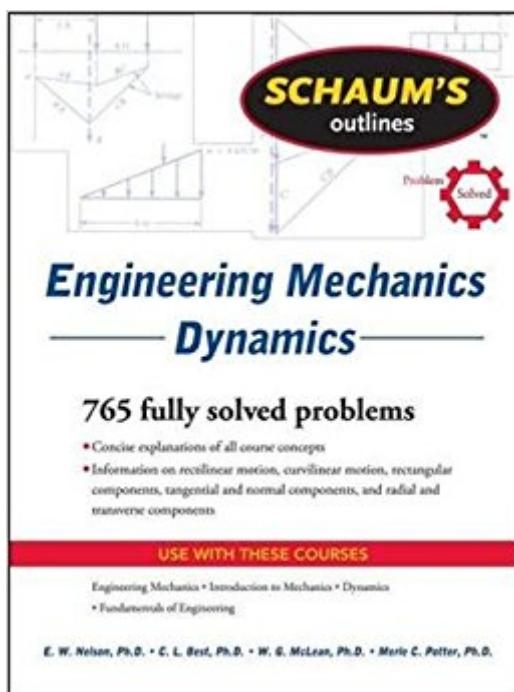


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Schaum's Outline Of Engineering Mechanics Dynamics (Schaum's Outlines)



Synopsis

Study faster, learn better, and get top grades Modified to conform to the current curriculum, Schaum's Outline of Engineering Mechanics: Dynamics complements these courses in scope and sequence to help you understand its basic concepts. The book offers extra practice on topics such as rectilinear motion, curvilinear motion, rectangular components, tangential and normal components, and radial and transverse components. You'll also get coverage on acceleration, D'Alembert's Principle, plane of a rigid body, and rotation. Appropriate for the following courses: Engineering Mechanics; Introduction to Mechanics; Dynamics; Fundamentals of Engineering. Features: 765 solved problems Additional material on instantaneous axis of rotation and Coriolis' Acceleration Support for all the major textbooks for dynamics courses Topics include: Kinematics of a Particle, Kinetics of a Particle, Kinematics of a Rigid Body, Kinetics of a Rigid Body, Work and Energy, Impulse and Momentum, Mechanical Vibrations

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Customer Reviews

E. W. Nelson taught Mechanical Engineering at Lafayette College and later joined the engineering organization of the Western Electric Company (now Lucent Technologies). Charles L. Best is Emeritus Professor of Engineering at Lafayette College. W. G. McLean (Easton, PA) is Emeritus Director of Engineering at Lafayette College. Merle Potter is professor emeritus of Mechanical Engineering at Michigan State University.

The problems are an excellent scatter of many techniques and types. However, the solutions often go to numerical substitution much earlier in the algebraic process than I like. Usually in physics, the symbolic representations of values like mass, gravity, angular speed are left as "m", "g", and "omega" until the last step. This book tends to substitute 9.8 m/s^2 for gravity or the number value of a term right away. So the solution looks like disjoint algebra at the end.

Not exactly as helpful as I thought it would be for Dynamics. There is a lot left desired in this book. Other Schaum's books have been much more helpful. There are some sections where it's helpful, but overall it wasn't as helpful as the textbook generally. Dynamics is a quite tough class in engineering and a first real introduction to Newton's 2nd Law - $F = ma$ and it's MANY applications.

Good value for the money. Very helpful.

No review

good shape. Arrived on time. I love this brand of learning books. I have ordered many times.

The theory sections are nice overviews for undergraduate dynamics, but I find that the problems and solutions are not terribly insightful, and miss the bigger picture. This book will help you solve problems, but not necessarily the easiest way or the way that will lead you to a better fundamental understanding of dynamics.

I've used Schaum's Outline for my math and engineering courses. It's a Great Resource if you want to review Dynamics It provides practice problems and solutions.

Very useful tool. I have used this product to help me remember the concepts of dynamics learned many years ago.

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