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Together they wrote lecture notes in statics and dynamics, to which they later added problems they felt would appeal to future engineers, and soon they produced the manuscript of the first edition of Mechanics for Engineers that was published in June 1956. The second edition of Mechanics for Engineers and the first edition of Vector Mechanics for Engineers found Russ Johnston at Worcester Polytechnic Institute and the next editions at the University of Connecticut.

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Vector Mechanics for Engineers: Statics and Dynamics, 2019, 12th Edition | eBay. Condition is Like New. His present interests include structural dynamics, structural health monitoring, and undergraduate engineering education. He received an SAE Ralph R. Teeter Educational Award in 1992, the Dean's Outstanding Scholar Award at Rose-Hulman in 2000, and the Board of Trustees Outstanding Scholar Award at Rose-Hulman in 2001.

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A primary objective in a first course in mechanics is to help develop a student's ability first to analyze problems in a simple and logical manner, and then to apply basic principles to their solutions. A strong conceptual understanding of these basic mechanics principles is essential for successfully solving mechanics problems. This edition of Vector Mechanics for Engineers will help instructors achieve these goals. Continuing in the spirit of its successful previous editions, this edition provides conceptually accurate and thorough coverage together with a significant refreshment of the exercise sets and online delivery of homework problems to your students. The 12th edition has added one case study per chapter and enhancements throughout the text and in Connect. The hallmark of the Beer-Johnston series has been the problem sets. This edition is no different. Over 650 of the homework problems in the text are new or revised. One of the characteristics of the approach used in this book is that mechanics of particles is clearly separated from the mechanics of rigid bodies. This approach makes it possible to consider simple practical applications at an early stage and to postpone the introduction of the more difficult concepts. Additionally, Connect has over 100 Free-Body Diagram Tool Problems and Process-Oriented Problems. McGraw-Hill's Connect, is also available. Connect is the only integrated learning system that empowers students by continuously adapting to deliver precisely what they need, when they need it, how they need it, so that class time is more effective. Connect allows the professor to assign homework, quizzes, and tests easily and automatically grades and records the scores of the student's work. Problems are randomized to prevent sharing of answers and may also have a "multi-step solution" which helps move the students' learning along if they experience difficulty.

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