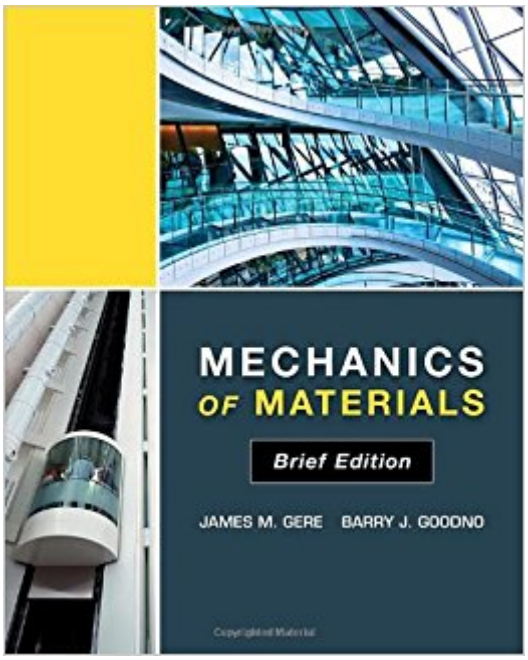
Mechanics Of Materials, Brief Edition



Synopsis

MECHANICS OF MATERIALS BRIEF EDITION by Gere and Goodno presents thorough and in-depth coverage of the essential topics required for an introductory course in Mechanics of Materials. This user-friendly text gives complete discussions with an emphasis on "need to know" material with a minimization of "nice to know" content. Topics considered beyond the scope of a first course in the subject matter have been eliminated to better tailor the text to the introductory course. Continuing the tradition of hallmark clarity and accuracy found in all 7 full editions of Mechanics of Materials, this text develops student understanding along with analytical and problem-solving skills. The main topics include analysis and design of structural members subjected to tension, compression, torsion, bending, and more.

Book Information

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Customer Reviews

James M. Gere (1925-2008) earned his undergraduate and master’s degrees in Civil Engineering from the Rensselaer Polytechnic Institute, where he worked as instructor and Research Associate. He was awarded one of the first NSF Fellowships and studied at Stanford, where he earned his Ph.D. He joined the faculty in Civil Engineering, beginning a 34-year career of engaging his students in mechanics, structural and earthquake engineering. He served as Department Chair and Associate Dean of Engineering and co-founded the John A. Blume Earthquake Engineering Center at Stanford. Dr. Gere also founded the Stanford Committee on Earthquake Preparedness. He was one of the first foreigners invited to study the earthquake-devastated city of Tangshan, China. Dr.

Gere retired in 1988 but continued to be an active, valuable member of the Stanford community. Dr. Gere was known for his cheerful personality, athleticism, and skill as an educator. He authored nine texts on engineering subjects starting with Mechanics of Materials, a text that was inspired by his teacher and mentor Stephan P. Timoshenko. His other well-known textbooks, used in engineering courses around the world, include: Theory of Elastic Stability, co-authored with S. Timoshenko; Matrix Analysis of Framed Structures and Matrix Algebra for Engineers, both co-authored with W. Weaver; Moment Distribution; Earthquake Tables: Structural and Construction Design Manual, co-authored with H. Krawinkler; and Terra Non Firma: Understanding and Preparing for Earthquakes, co-authored with H. Shah. In 1986 he hiked to the base camp of Mount Everest, saving the life of a companion on the trip. An avid runner, Dr. Gere completed the Boston Marathon at age 48 in a time of 3:13. Dr. Gere is remembered as a considerate and loving man whose upbeat humor always made aspects of daily life and work easier.Barry John Goodno is Professor of Civil and Environmental Engineering at Georgia Institute of Technology. He was an Evans Scholar and received a B.S. in Civil Engineering from the University of Wisconsin in 1970. He received M.S. and Ph.D. degrees in Structural Engineering from Stanford University in 1971 and 1975, respectively. He holds a professional engineering license (PE) in Georgia, is a Fellow of ASCE and an Inaugural Fellow of SEI, and has held numerous leadership positions within ASCE. Dr. Goodno is a member of the Engineering Mechanics Institute (EMI) of ASCE and is a past president of the ASCE Structural Engineering Institute (SEI) Board of Governors.

I wished there was a solution manual available. It would be nice if the tables were included, instead of on line.

Edition: An Introduction to Fluid Mechanics, Macrocirculation, and Microcirculation (Biomedical Engineering) Computational Fluid Mechanics and Heat Transfer, Third Edition (Series in Computational and Physical Processes in Mechanics and Thermal Sciences) Computational Fluid Mechanics and Heat Transfer, Second Edition (Series in Computional and Physical Processes in Mechanics and Thermal Sciences) Reinforced Concrete: Mechanics and Design (4th Edition) (Civil Engineering and Engineering Mechanics) Brief Introduction to Fluid Mechanics - text only, 2ND EDITION A Brief Introduction To Fluid Mechanics, 5th Edition Robert's Rules of Order Newly Revised In Brief, 2nd edition (Roberts Rules of Order in Brief) Fracture and Fatigue Control in Structures: Applications of Fracture Mechanics (Prentice-Hall International Series in Civil Engineering and Engineering Mechanics) Probabilistic fracture mechanics and reliability (Engineering Applications of Fracture Mechanics) Dynamic Fracture Mechanics (Cambridge Monographs on Mechanics) Quantum Mechanics: Re-engineering Your Life With Quantum Mechanics & Affirmations Advanced Molecular Quantum Mechanics: An Introduction to Relativistic Quantum Mechanics and the Quantum Theory of Radiation (Studies in Chemical Physics)