



Engineering Mechanics: Statics (India Edition)

By Daniel J. Inman, Robert W. Soutas-Little, Daniel S. Balint

CL Engineering/Cengage Learning India, 2011. Softcover. Book Condition: New. First edition. Engineering Mechanics: Statics Focusing on the conceptual understanding of mechanics, this exciting new text addresses developments in the methods of analyzing mechanics problems. It fully incorporates the highly sophisticated computational software packages currently available to students. The text provides transition material to higher level courses, as well as a wealth of problems to foster understanding. The basic concepts of centroids, second moments of area and internal forces have been introduced. * The text presents a comprehensive introduction of Statics with emphasis on forces, moments, and equilibrium and modeling * Homework problems are marked in such a manner that the instructor and student will know if a particular problem can and in some cases must be solved with the aid of software or if it could be easily solved "by hand. 1. Introduction 2. Vector Analysis 3. Particle Equilibrium 4. Rigid Bodies: Equivalent Force Systems 5. Distributed Forces: Centroids and Center of Gravity 6. Equilibrium of Rigid Bodies 7. Analysis of Structures 8. Internal Forces in Structural Members 9. Moments of Inertia 10. Friction 11. Virtual Work Appendix A: Solution of Systems of Linear Equations Answers to Selected Problems Index Printed...

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