Engineering Mechanics: Statics - Computational Edition - SI Version

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

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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. All sample problems and the use of computational software (MathCAD, MATLAB, Mathematica and Maple) are presented in four seperate manuals (one for each software program). Each manual explains how to use the software package to solve the example problems in the book.

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Review

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Robert W. Soutas-Little received his Ph.D. from the University of Wisconsin in 1962 and is now a Professor Emeritus in the Departments of Mechanical Engineering and Materials Science and Mechanics at Michigan State University. Author to 6 books on the topics of Elasticity, Engineering Mechanics, Statics, and Dynamics, Dr. Soutas-Little has also published over 60 journal papers and chapters in books as well as co-authoring 15 technical reports. He has Directed 22 PhD's as well as 150 M.S. Students and prior to teaching at Michigan State he held positions at Oklahoma State University, University of Wisconsin, Marquette University, Technion in Israel, and a MSU summer program at Cambridge University, England. He is a Founding Member of the American Society of Biomechanics, a Charter Member or the Society of Engineering Science, a Member of the International Society of Biomechanics, the American Society of Mechanical Engineering, and the American Association for the Advancement of Science. Dr. Soutas-Little has been the recipient of the Western Electric Award for Teaching Excellence in Engineering in 1970, the Goldberg Chair in 1982, the Distinguished Faculty Award - Michigan State University in 1995, named a Fellow of the American Society of Mechanical Engineers in 1996, received the Withrow Teaching Excellence Award in 1997, the Withrow Distinguished Scholar Award in 1999, as well as receiving many research contracts and grants between 1962 and 1999. His research interests include Biomechanics, Dynamics, Applied Mathematics, Elasticity, and Continuum Mechanics.

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