

Structural Analysis

By Aslam Kassimali



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The 5th edition of the classic STRUCTURAL ANALYSIS by Aslam Kassamali teaches students the basic principles of structural analysis using the classical approach. The chapters are presented in a logical order, moving from an introduction of the topic to an analysis of statically determinate beams, trusses and rigid frames, to the analysis of statistically indeterminate structures. The text includes solved problems to help illustrate the fundamental concepts. Access to interactive software for analyzing plane framed structures is available for download via the text's companion website.



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Editorial Review

Review

"The textbook is well-written. It starts with topics that are already familiar to students (e.g. statically determinate analysis of truss and beam), then move to new and challenging topics (e.g. influence line and statically indeterminate structural analysis). The connection between the subjects are good."

"This is a very comprehensive textbook. The real strength of the book is Part Three on indeterminate structures and Chapter 10 on symmetry/antisymmetry which is often missing in other texts. Reading the book, one gets the sense that the author has much practical experience in structural analysis and design."

About the Author

Aslam Kassimali is Professor of Civil Engineering at Southern Illinois University. He teaches structural engineering, nonlinear structural analysis, and structural dynamics and stability. Consistently recognized for teaching excellence, Dr. Kassimali has received 19 awards for outstanding teaching at the department and the college level since joining Southern Illinois University-Carbondale in 1980. In 1996 he was named the Outstanding Teacher of the entire university, and in 2004 he was awarded the title of Distinguished Teacher. Professor Kassimali completed undergraduate work at the University of Karachi in Pakistan in 1969, earned a master's degree from Iowa State University in 1971, and masters and doctoral degrees from the University of Missouri, Columbia, in 1974 and 1976 respectively.

Users Review

From reader reviews:

Charles Ginter:

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