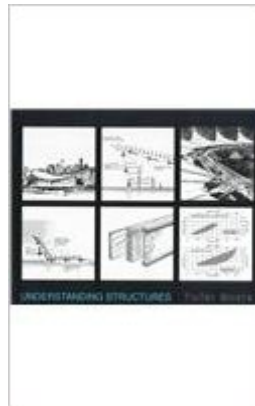# Understanding Structures

Synopsis

This conceptual introduction to architectural structures covers all the basic structural principles and terms, explains how to use statistics of equilibrium formulae to calculate beam reactions, and employs illustrations and multi-exposure model photographs to provide a compelling overall guide to structural behavior. Also distinguishing this guide from many others on the market are its case studies and useful preliminary sizing data.

Book Information

Paperback: 304 pages

Publisher: McGraw-Hill Science/Engineering/Math; 1 edition (July 2, 1998)

Language: English

ISBN-10: 0070432538

ISBN-13: 978-0070432536

Product Dimensions: 8.4 x 0.5 x 10.8 inches

Shipping Weight: 12.6 ounces

Average Customer Review: 4.9 out of 5 starsÂ Â See all reviewsÂ (7 customer reviews)

Best Sellers Rank: #551,408 in Books (See Top 100 in Books)   #143 inÂ Books > Engineering & Transportation > Engineering > Reference > Architecture > Study & Teaching   #250 inÂ Books > Engineering & Transportation > Engineering > Civil & Environmental > Structural   #461 inÂ Books > Textbooks > Engineering > Civil Engineering

Customer Reviews

The book deals with trusses, frames, funicular structures, shells. It has no calculations, indeed it gives a clear understanding of the behavior of structures, thanks also to very very clear schematic drawings and some buildings' examples.

Excellent intro to architectural structures. Strong on principles and concepts with numerous case studies; illustrations (by the author) alone are worth the price; expensive.

This book includes examples of actual buildings, depicted in exquisite drawings, and illustrates the structural loads and forces with concise diagrams. A must for beginning architecture students.

This book is a jewel for architects and engineers. Lots of books have info but this one is just a cut above the rest in terms of explanation.

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