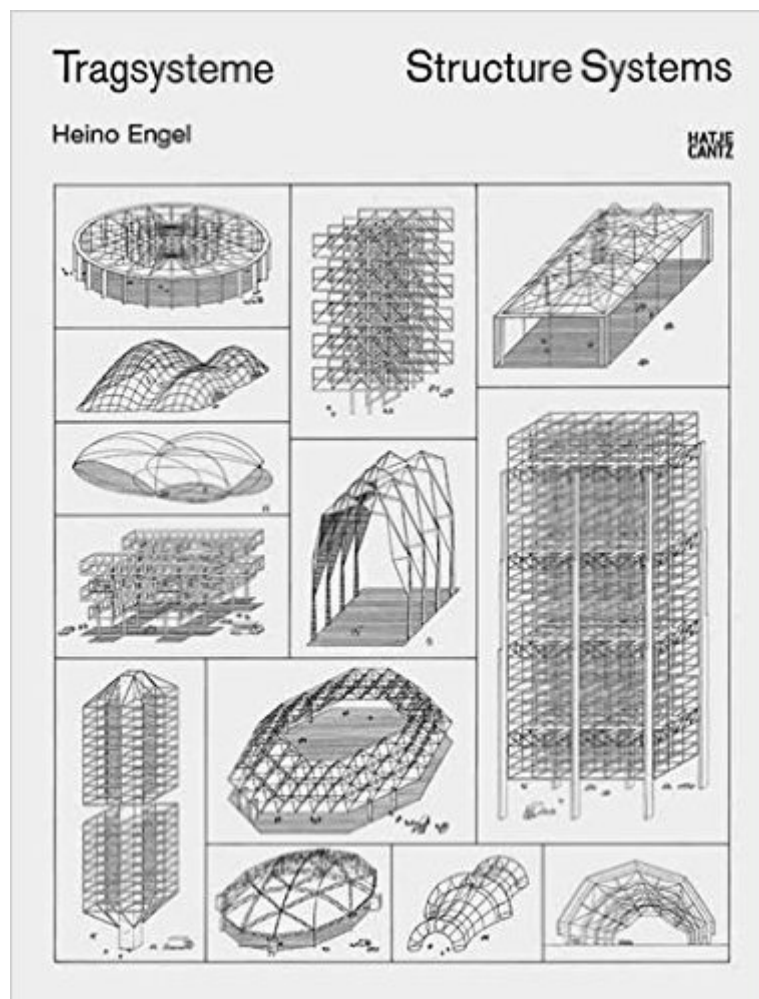


The book was found

# Structure Systems



## Synopsis

Back in print--the standard work on Heino Engel's structure systems. The hundreds of drawings and photographs reproduced in this hardback volume offer almost endless variations on the many structural systems that can keep buildings together: within a few pages of one another, tents, domes and cubes are shown supported by poles, cables, ribs, rafters and beams. Engel's presentation and explanation of this highly complex material differs fundamentally from others' work on the subject in that he focuses entirely upon the functions and design effects of these mechanisms, without regard for technical details: More than an engineering text, this is a catalogue of ideas and forms for architects and dreamers, a David Macaulay book for adults. Structure Systems skips over more commonly treated special designs and completed buildings for typical, representative and surprising shapes. As a reference work or daydream material, it is an indispensable repertoire of forms.

## Book Information

Hardcover: 352 pages

Publisher: Hatje Cantz; 3 edition (February 1, 2007)

Language: English

ISBN-10: 3775718761

ISBN-13: 978-3775718769

Product Dimensions: 8.8 x 1.2 x 12.1 inches

Shipping Weight: 3.6 pounds (View shipping rates and policies)

Average Customer Review: 4.2 out of 5 stars [See all reviews](#) (8 customer reviews)

Best Sellers Rank: #415,473 in Books (See Top 100 in Books) #153 in [Books > Engineering & Transportation > Engineering > Reference > Architecture > Methods & Materials](#) #397 in [Books > Arts & Photography > Architecture > Individual Architects & Firms](#) #404 in [Books > Arts & Photography > Architecture > Urban & Land Use Planning](#)

## Customer Reviews

This is ASTRONOMICALLY THE BEST architectural structures book of all time!! This is the second book for a serious architecture student or architect to buy after Deplazes' foundation book. My structures education was so frustrating because it was not VISUAL. I longed for a book like this 20 years ago!! But better than I could have ever imagined, this book is intensely visual, almost no numbers, instead an encyclopedic catalogue of structural spanning options in a maniacally ordered logic, drawn with a sweet German version of Ching's style. Just skimming this book several times will acquaint you with the logic, the systems, the options, and the breathtaking possibilities this great

book throws at your feet. "Take that", it says, "and go do something great!"

Another reviewer mentioned that this book is the most important structures book for architects. I would agree, but do not necessarily agree that it cannot be read as a standalone book. There is a lot of intuitive insight that can be gained from this book with no prior learning, but the reader must pay close attention and have a very good idea of how to visualize forces and their impact on structures. Readers looking for a technical manual will be sorely disappointed as all the technical details are expected to be provided by the readers themselves. With that said, I was able to read this book without any formal knowledge of structural statics and grasp many of the concepts on the first try. But coupled with hands-on structural learning material such as Form and Forces by Edward Allen and Wacław Zalewski the information will become instantly powerful and applicable. In fact I would say Form and Forces and Structure Systems are the key pieces of a visual understanding of structures combined with the quantitative methods required to design and interpret structures. Start with Form and Forces, then after completing all the exercises therein, pick this up and read ALL of it. It is not just a guide for daydreaming or slick collection of nice line drawings - it is a user's manual for those bold and imaginative enough to use it as such. Many own it, few have really read it, and fewer still have actually used it. Be one of the latter and you'll blow people away.

Book about architectural structures, ..about basic principles underlying the invention of structures in order to show the design possibilities of structural systems..Approach of Heino Engel is unique, creative..it helps a lot, especially, beginners and students in understanding basic structural principles, play of forces within structure and shows architectural potential of structural systems...to the architects and structural engineers it will give rich stimulus and new ideas for building design...Anyway, since its first edition in 1967, the concept of the book haven't changed much..there is neither one photograph of real structural system,....there are nice, clear and understandable graphics, but that's not enough..its obvious that mr Engel preferred surface active(shell structures) and form active systems(cable and tent structures),because sections regarding them are very well presented..which is not the case for frame and similar systems,that are overloaded with graphic, but poor and not so real examples, in some moments too advanced,unpractical and not so structurally sound..Big minus is bilingual publishing (one page in german and next in english) what makes it little bit difficult for reading..chosen handwriting font doesn't help either.

Lots of excellent diagrams illustrating structural systems. This book is an encyclopedia of structural

diagrams for architects. Structural engineers will find it useful as well. The diagrams are explained quite well. The reader should have a sound understanding of basic structural behavior to fully appreciate this book. It's a picture book and not a book which explains any calculations. Excellent for bedtime reading and fantasizing.

[Download to continue reading...](#)

Data Structure and Algorithmic Thinking with Python: Data Structure and Algorithmic Puzzles The Battle for the Life and Beauty of the Earth: A Struggle Between Two World-Systems (Center for Environmental Structure) Structure Systems Performance and Evaluation of Lisp Systems (Computer Systems Series) Digital Speech: Coding for Low Bit Rate Communication Systems (Wiley Series in Communication and Distributed Systems) 2012 ASHRAE Handbook -- HVAC Systems and Equipment (I-P) - (includes CD in I-P and SI editions) (Ashrae Handbook Heating, Ventilating, and Air Conditioning Systems and Equipment Inch-Pound) Transplant Production Systems: Proceedings of the International Symposium on Transplant Production Systems, Yokohama, Japan, 21-26 July 1992 Database Systems: Design, Implementation, and Management (with Premium Web Site Printed Access Card) (Management Information Systems) Global Health Systems: Comparing Strategies for Delivering Health Systems Neuroanatomy in Clinical Context: An Atlas of Structures, Sections, Systems, and Syndromes (Neuroanatomy: An Atlas of Structures, Sections, and Systems ( )) Show Networks and Control Systems: Formerly "Control Systems for Live Entertainment" Lean for Systems Engineering with Lean Enablers for Systems Engineering Managing Risk In Information Systems (Information Systems Security & Assurance) Real-Time Systems: Design Principles for Distributed Embedded Applications (Real-Time Systems Series) IEC 61131-3: Programming Industrial Automation Systems: Concepts and Programming Languages, Requirements for Programming Systems, Decision-Making Aids Hard Real-Time Computing Systems: Predictable Scheduling Algorithms and Applications (Real-Time Systems Series) A Pattern Language: Towns, Buildings, Construction (Center for Environmental Structure) The Rationale Divinorum Officiorum: The Foundational Symbolism of the Early Church, its Structure, Decoration, Sacraments, and Vestments The Nature of Order: An Essay on the Art of Building and the Nature of the Universe, Book 3 - A Vision of a Living World (Center for Environmental Structure, Vol. 11) The Nature of Order: An Essay on the Art of Building and the Nature of the Universe, Book 4 - The Luminous Ground (Center for Environmental Structure, Vol. 12)

[Dmca](#)