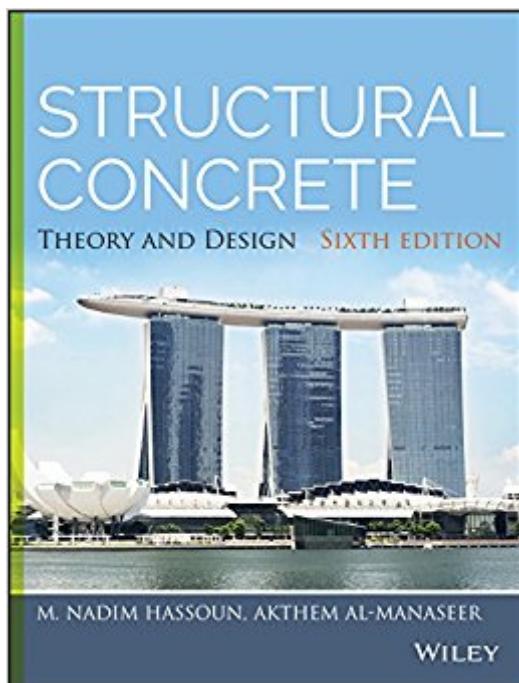


The book was found

# Structural Concrete: Theory And Design



## Synopsis

The most up to date structural concrete text, with the latest ACI revisions Structural Concrete is the bestselling text on concrete structural design and analysis, providing the latest information and clear explanation in an easy to understand style. Newly updated to reflect the latest ACI 318-14 code, this sixth edition emphasizes a conceptual understanding of the subject, and builds the student's body of knowledge by presenting design methods alongside relevant standards and code. Numerous examples and practice problems help readers grasp the real-world application of the industry's best practices, with explanations and insight on the extensive ACI revision. Each chapter features examples using SI units and US-SI conversion factors, and SI unit design tables are included for reference. Exceptional weather-resistance and stability make concrete a preferred construction material for most parts of the world. For civil and structural engineering applications, rebar and steel beams are generally added during casting to provide additional support. Pre-cast concrete is becoming increasingly common, allowing better quality control, the use of special admixtures, and the production of innovative shapes that would be too complex to construct on site. This book provides complete guidance toward all aspects of reinforced concrete design, including the ACI revisions that address these new practices. Review the properties of reinforced concrete, with models for shrink and creep Understand shear, diagonal tension, axial loading, and torsion Learn planning considerations for reinforced beams and strut and tie Design retaining walls, footings, slender columns, stairs, and more The American Concrete Institute updates structural concrete code approximately every three years, and it's critical that students learn the most recent standards and best practices. Structural Concrete provides the most up to date information, with intuitive explanation and detailed guidance.

## Book Information

Hardcover: 1072 pages

Publisher: Wiley; 6 edition (March 30, 2015)

Language: English

ISBN-10: 1118767810

ISBN-13: 978-1118767818

Product Dimensions: 7.7 x 21.2 x 9.3 inches

Shipping Weight: 4 pounds (View shipping rates and policies)

Average Customer Review: 3.1 out of 5 stars 10 customer reviews

Best Sellers Rank: #47,826 in Books (See Top 100 in Books) #4 in Books > Engineering &

Transportation > Engineering > Materials & Material Science > Concrete #18 inÃ¢ Books > Engineering & Transportation > Engineering > Civil & Environmental > Structural #51 inÃ¢ Books > Textbooks > Engineering > Civil Engineering

## Customer Reviews

THE BESTSELLING STRUCTURAL CONCRETE TEXT, UPDATED WITH EXTENSIVE ACI REVISIONS Structural Concrete, Sixth Edition provides complete guidance for the design and analysis of reinforced and prestressed concrete structures. This update emphasizes a conceptual understanding of the subject, and builds the student's body of knowledge by presenting design methods alongside relevant standards and codes, including coverage of recent ACI revisions. Numerous examples help readers grasp the real-world application of the industry's best practices, with SI units, problems and step-by-step design procedures. The authors' decades of experience in industry and academia provide a strong foundation for learning, while the clear explanations guide students through vital information including: The latest ACI 318-14 revisions that address the new ways concrete structures are designed, built, and used The physical properties of reinforced concrete, with the latest models for shrinkage and creep predictions Special chapter on system design of reinforced concrete building structures Critical mechanical engineering concepts such as shear, diagonal tension, axial loading, and torsion Design considerations for reinforced concrete beams using ACI and AASHTO strut and tie methods Specific approaches to the design of retaining walls, footings, slender columns, stairs, and more Seismic design and analysis of concrete structures utilizing latest ASCE and IBC codes Prestressed concrete bridge design according to AASHTO specifications Structural Concrete, Sixth Edition arms students with the tools, understanding, and confidence they need to design safe and reliable concrete structures.

M. NADIM HASSOUN, PHD, PE, FASCE, FICE, MACI, is Professor Emeritus of Civil Engineering at South Dakota State University. AKTHEM AL-MANASEER, PHD, PENG, FASCE, FACI, FCSCE, MISTRUCTE, is Professor of Structural Concrete in the Department of Civil and Environmental Engineering at San Jose State University.

The biggest thing I despise about this text is the quality of paper and binding. You can slowly flip the page, as careful as possible, and still have the page pull away from the binding. It is poorly made. According to the professor, previous editions have been an excellent resource. It seems ok as a resource. It explains procedure and necessary theory okay. Many spelling, charts, and error

calculations can be found throughout text.

Some parts are ok. But a lot of examples don't even put the equation, so you're left wasting tons of time figuring out how they got the numbers they're using. If you want to find the pages where they pull the equations to the example from -- hope you have a good time -- the pages literally rip and fall out from gentle/minimal use.

I have this book in third, and sixth edition. Both have mistakes. I feel disappointed.

all book pages for this book are really weak, they are tearing apart as I open the book. Please address this issue when I return the book

The book was in OK condition with some pages hanging on by a thread.

Good book

The book was perfect even though it was used.

excellent

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

Strengthening of Reinforced Concrete Structures: Using Externally-Bonded FRP Composites in Structural and Civil Engineering (Woodhead Publishing Series in Civil and Structural Engineering)  
Structural Concrete: Theory and Design Structural Elements for Architects and Builders: Design of Columns, Beams, and Tension Elements in Wood, Steel, and Reinforced Concrete, 2nd Edition  
Structural Dynamics of Earthquake Engineering: Theory and Application Using Mathematica and Matlab (Woodhead Publishing Series in Civil and Structural Engineering)  
Principles of Structural Design: Wood, Steel, and Concrete, Second Edition  
Principles of Structural Design: Wood, Steel, and Concrete Concrete Design for the Civil PE and Structural SE Exams, 2nd Edition  
2012 IBC  
SEAOC Structural/Seismic Design Manual Examples for Concrete Buildings  
Proportioning Concrete Mixtures and Mixing and Placing Concrete (Classic Reprint)  
RSMeans Concrete and Masonry Cost Data 2014 (Means Concrete & Masonry Cost Data)  
ACI 318.2-14: Building Code Requirements for Concrete Thin Shells (ACI 318.2-14) and Commentary on Building Code Requirements for Concrete Thin Shells (ACI 318.2R-14)  
Concrete, From Archeology to Invention, 1700â€“1769: The

Renaissance of Pozzolana and Roman Construction Techniques (Treatise on Concrete) Fracture Mechanics of Concrete: Applications of Fracture Mechanics to Concrete, Rock and Other Quasi-Brittle Materials Making Design Theory (Design Thinking, Design Theory) Black & Decker The Complete Guide to Concrete & Masonry, 4th Edition: Build with Concrete, Brick, Block & Natural Stone (Black & Decker Complete Guide) The Concrete House: Building Solid, Safe & Efficient with Insulating Concrete Forms Textile Reinforced Concrete (Modern Concrete Technology) The Fabric Formwork Book: Methods for Building New Architectural and Structural Forms in Concrete Design, When Everybody Designs: An Introduction to Design for Social Innovation (Design Thinking, Design Theory) Graphic Design Success: Over 100 Tips for Beginners in Graphic Design: Graphic Design Basics for Beginners, Save Time and Jump Start Your Success (graphic ... graphic design beginner, design skills)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)