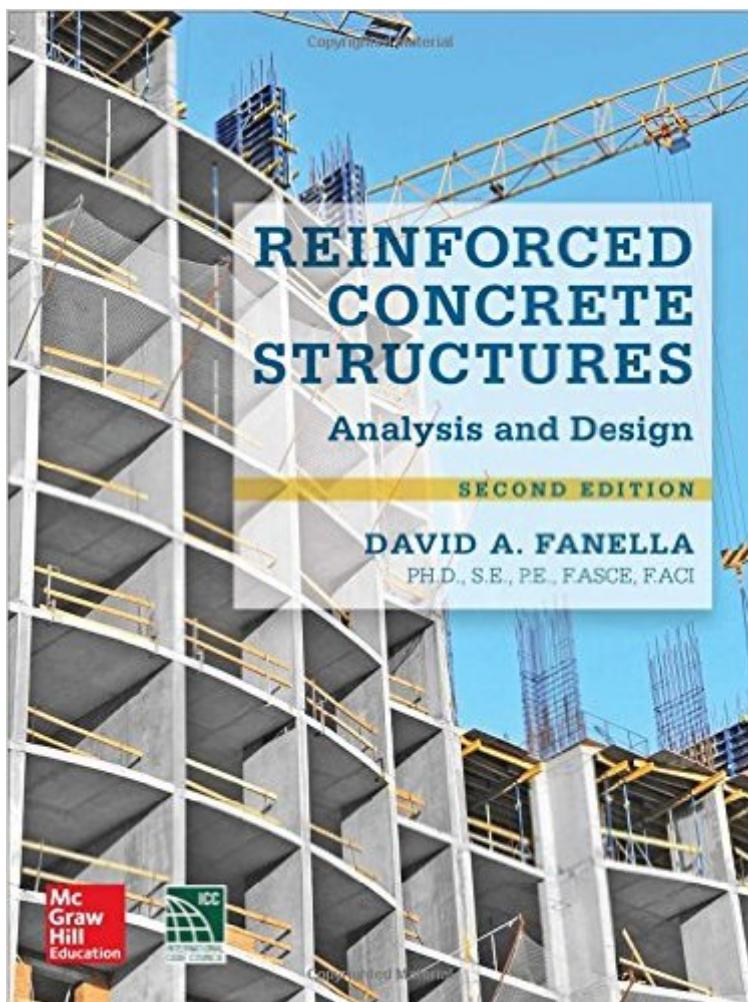


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Reinforced Concrete Structures: Analysis And Design, Second Edition



Synopsis

A fully revised guide to the design and analysis of reinforced concrete structures according to the 2014 edition of ACI 318. This practical resource offers concise explanations of reinforced concrete design principles and teaches safe and cost-effective engineering and construction techniques. Reinforced Concrete Structures: Analysis and Design, Second Edition, has been thoroughly updated to reflect the latest requirements in both the 2014 ACI 318 structural concrete code and the 2015 International Building Code®. Examples, procedures, and flowcharts illustrate compliance with each provision. This comprehensive guide features new in-depth coverage of ACI earthquake design requirements. SI units are now included throughout all of the chapters. Reinforced Concrete Structures: Analysis and Design, Second Edition, covers:

- Material properties of concrete and reinforcing steel
- Considerations for analysis and design
- Requirements for strength and serviceability
- Principles of the strength design method
- Beams, one-way slabs, and two-way slabs
- Columns, walls, and foundations
- Design and detailing for earthquake effects

Book Information

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Customer Reviews

Excellent textbook! very thorough and clear explanation of reinforced concrete theory, analysis and design. I strongly recommend it to professors and students, it is based on ACI 318-14. I adopted it for my Reinforced Concrete Design Course at the University of Illinois at Chicago for Fall 2015 semester.

Excellent textbook on analysis and design of reinforced concrete and is based on ACI 318-14.

Very good book. Good theory and problems.

good

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