

Reinforced Concrete Design



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Updated to Reflect the 2005 ACI Building Code

Now revised to reflect the latest developments in the field, this thoroughly updated Seventh Edition of Chu-Kia Wang, Charles G. Salmon, and Jos? A. Pincheira's Reinforced Concrete Design incorporates the changes in design rules arising from the publication of the 2005 American Concrete Institute (ACI) Building Code and Commentary (ACI 318-05).

Written for students and practicing engineers, the book explains the basic concepts you need to understand and properly apply the ACI Code rules and formulas. Throughout, the emphasis is on the ACI approach involving strength and serviceability "limit states" and factored loads. Detailed numerical examples illustrate the general approach to design and analysis.

New Features

* Load and Strength Reduction Factors: Example problems in all chapters are completely revised using the load and strength reduction factors that now appear in

the main body of the 2005 code.

* Unified Design Provisions: The treatment of the Unified Design Provisions for flexure, which are now in the body of the 2005 ACI Code, is thoroughly revised.

* Strut-and-Tie Models: Presents entirely new design provisions using strut-and-tie models, in accordance with Appendix A of the 2005 ACI Code.

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