DESCRIPTION

For over sixty years, the primary source for design of concrete structures--now revised and updated

Simplified Design of Concrete Structures, Eighth Edition covers all the latest, commonly used concrete systems, practices, and research in the field, reinforced with examples of practical designs and general building structural systems. Updated to conform to current building codes, design practices, and industry standards.

Simplified Design of Concrete Structures, Eighth Edition is a reliable, easy-to-use handbook that examines a wide range of concrete structures, building types, and construction details. It includes a wealth of illustrations, expanded text examples, exercise problems, and a helpful glossary. Highlights of this outstanding tool include:

* Its use of the current American Concrete Institute Building Code for 2005 (ACI 318) and the Load and Resistance Factor Design (LRFD) method of structural design

* Fundamental and real-world coverage of concrete structures that assumes no previous experience

* Valuable study aids such as exercise problems, questions, and word lists enhance usability
ABOUT THE AUTHOR

JAMES AMBROSE is Editor of the Parker/Ambrose Series of Simplified Design Guides. He practiced as an architect in California and Illinois, and as a structural engineer in Illinois. He was also a professor of architecture at the University of Southern California.

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NEW TO EDITION

• Focuses on the widely used Load and Resistance Factor Design (LRFD) method for the first time

• Increased use of study aids such as exercise problems, questions, and word lists enhance its usability

• Updated to conform with current building codes, design practices, and industry standards, including the latest ACI Code 318 for 2005

• Includes Instructor's Manual for the first time

FEATURES

• Covers the basics as well as practical design examples

• Fundamental and real-world coverage of concrete structures that assumes no previous experience

• Examines a wide range of concrete structures, building types and construction details

• Includes numerous illustrations, text examples and exercise problems with answers provided, plus a general question and answer section and a glossary

• Part of the Parker/Ambrose Series of Simplified Design Guides. This series has been providing students with simple, concise solutions to common structural and environmental design problems for more than seven decades