

Principles of Reinforced Concrete: A Comprehensive Guide to Structural Design

Principles of Reinforced Concrete by Zhenhai Guo is a comprehensive guide to structural design for engineers and architects. This book provides a thorough understanding of the principles and applications of reinforced concrete in various structural elements.



Principles of Reinforced Concrete by Zhenhai Guo

★★★★★ 5 out of 5

Language : English
File size : 37177 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Print length : 584 pages



The book is divided into three parts. Part 1 covers the basic principles of reinforced concrete, including the behavior of concrete and steel, the design of flexural and shear members, and the analysis of indeterminate structures. Part 2 focuses on the design of specific structural elements, such as beams, columns, slabs, and footings. Part 3 discusses seismic design and durability of reinforced concrete structures.

Principles of Reinforced Concrete is an essential reference for engineers and architects who are involved in the design of reinforced concrete structures. The book provides a comprehensive overview of the subject

matter, and it is written in a clear and concise style. The book is also well-illustrated, with numerous examples and practice problems.

Key Features

- Covers the latest ACI 318-19 Code requirements
- Provides a comprehensive overview of the principles and applications of reinforced concrete
- Includes numerous examples and practice problems
- Well-illustrated with clear and concise explanations

Table of Contents

- 1.
2. Behavior of Concrete
3. Behavior of Steel
4. Design of Flexural Members
5. Design of Shear Members
6. Analysis of Indeterminate Structures
7. Design of Beams
8. Design of Columns
9. Design of Slabs
10. Design of Footings
11. Seismic Design
12. Durability of Reinforced Concrete Structures

Author

Zhenhai Guo is a professor of civil engineering at the University of California, San Diego. He is a leading expert in the field of reinforced concrete design, and he has published over 100 papers on the subject. He is also a member of the ACI 318-19 Code Committee.

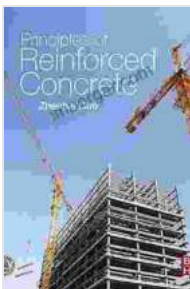
Free Download Your Copy Today

Principles of Reinforced Concrete is available for Free Download from Our Book Library, Barnes & Noble, and other online retailers. You can also Free Download your copy directly from the publisher, CRC Press.

Buy Now on Our Book Library

Buy Now on Barnes & Noble

Buy Now from CRC Press



Principles of Reinforced Concrete by Zhenhai Guo

★★★★★ 5 out of 5

Language : English
File size : 37177 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Print length : 584 pages





16 Serial Killer Teams and Couples: A Spine-Chilling Journey into Murderous Duo

From the annals of true crime, the stories of serial killer teams and couples stand out as particularly disturbing and captivating. These...



12 Horrific American Serial Killers: A Spine-Chilling Journey into the Depths of Evil

Immerse yourself in the darkest recesses of humanity with 12 Horrific American Serial Killers. This gripping book takes you on a chilling journey into the twisted minds of some...