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Description. For one-semester, senior/graduate-level courses in Prestressed Concrete in the department of Civil Engineering. Completely revised to reflect the new ACI 318-02 Building Code and International Building Code 2000 and its 2002 modifications, this popular text offers a unique approach to examining the design of prestressed concrete members in a logical, step-by-step trial and ...

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This is the 4th edition of the textbook Prestressed Concrete, which has been extensively rewritten to take account of modern developments in the theory and practice of prestressed concrete construction.

Prestressed Concrete (Pearson Original), 4th Edition

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The text runs from an introduction to the fundamentals to in-depth treatments of more advanced topics in modern prestressed concrete structures. It suits senior undergraduate and graduate students...

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The text runs from an introduction to the fundamentals to in-depth treatments of more advanced topics in modern prestressed concrete structures. It suits senior undergraduate and graduate students, and also practising engineers who want a comprehensive guide to the design of prestressed concrete structures.

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He is also the author of several books: Prestressed Concrete A Fundamental Approach, Fourth Edition (Prentice Hall, 2003), Fundamentals of High Performance Concrete, Second Edition (John Wiley & Sons, 2000), and Concrete Construction Engineering Handbook (CRC Press, 1998). He has been the recipient of several major awards, including the Henry L. Kennedy Award of the ACI, the ACI Concrete ...

Reinforced Concrete: A Fundamental Approach, 5th Edition

Nawy has published in excess of 160 papers in numerous technical journals worldwide and is the author of Reinforced Concrete: A Fundamental Approach, 4th Edition, ©2000, published by Prentice Hall, Fundamentals of High Performance Concrete, 2nd Edition, ©2000, published by John Wiley and Sons, and Concrete Construction Engineering Handbook, ©1998, published by CRC Press. He is the recipient ...

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This book was written with a dual purpose, as a reference book for practicing engineers and as a textbook for students of prestressed concrete. It represents the fifth generation of books on this subject written by its author. Significant additions and revisions have been made in this edition. Chapters 2 and 3 contain new material intended to assist the engineer in underst

Modern Prestressed Concrete: Design Principles and ...

The text runs from an introduction to the fundamentals to in-depth treatments of more advanced topics in modern prestressed concrete structures. It suits senior undergraduate and graduate students and also practising engineers who want comprehensive introduction to the design of prestressed concrete structures. It retains the clear and concise explanations and the easy-to-read style of the ...

Design of Prestressed Concrete to Eurocode 2 - 2nd Edition ...

Prestressed concrete is a form of concrete used in construction. It is substantially "prestressed" during production, in a manner that strengthens it against tensile forces which will exist when in service.: 3-5 This compression is produced by the tensioning of high-strength "tendons" located within or adjacent to the concrete and is done to improve the performance of the concrete in service.