Design of Concrete Structures
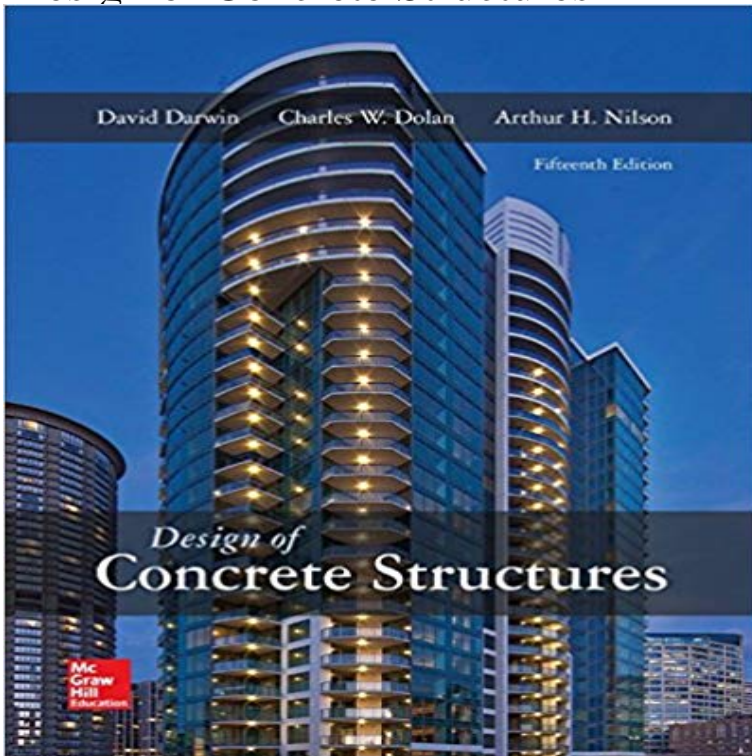
The fifteenth edition of the classic text, Design of Concrete Structures, is completely revised using the newly released 2014 American Concrete Institute (ACI) Building Code. This new edition has the same dual objectives as the previous editions: first to establish a firm understanding of the behavior of structural concrete, then to develop proficiency in the methods used in current design practice. NOTABLE NEW FEATURES INCLUDE: Every chapter has been updated to account for the reorganization of the 2014 American Concrete institute Building Code. A new chapter on anchoring to concrete is included. A chapter on walls has been added, doubling the coverage and adding design examples. Diaphragms are included for the first time. The process of developing building design and the connection between the chapters in the text and the ACI Code is added. Coverage of seismic design is updated. Also included is the modified compression field theory method of shear design presented in the 2012 edition of the American Association of State Highway and Transportation Officials LRFD Bridge Design Specifications. Chapters on yield line and strip methods for slabs are moved to the text website.

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Web and Video courses various streams. **Basic Principles, Theory and One-way Slabs - nptel** IITKGP Home. . Course Objectives. . Course Contents. . Department Details. . Message Board. . Module 1 Module 2 Module 3 Module 4 Module 5. **Definitions, Classifications, Guidelines and Assumptions - nptel** NPTEL provides E-learning through online Web and Video courses various streams. **NPTEL :: Civil Engineering - Design of Concrete Structures** NPTEL provides E-learning through online Web and Video courses various streams. **Eurocode 2: Design of concrete structures EN1992-1-1 - Eurocodes** NPTEL provides E-learning through online Web and Video courses various streams. **Design of Concrete Structures (Civil Engineering): David Darwin** NPTEL provides E-learning through online Web and Video courses various streams. **Design of Concrete Structures Units of study Swinburne University** ENB471 Design of Concrete Structures and Foundations. Unit synopsis. Concrete design and construction roles of building professionals current structures **Objectives and Methods of Analysis and Design - nptel** What is pre-stressed concrete? What is pre-fabricated concrete? What are eurocodes for the design of concrete structures? Clear answers to FAQs. **Mechanics and Design of Concrete Structures Civil and** The course is composed of five parts. Part 1 Fundamentals of the design of structures in reinforced concrete. This part starts with a short overview of design **none** NPTEL provides E-learning through online Web and Video courses various streams. **Fire design of concrete structures - structural behaviour and fib** REINFORCED CONCRETE STRUCTURE DESIGN ASSISTANT TOOL. FOR BEGINNERS. The objective of this study was a reinforced concrete design tool for **Limit State of Collapse Flexure - nptel** Objectives and Methods of Analysis and Design. Objectives and Methods of Analysis and Design, and Properties of Concrete and Steel. Philosophies of Design by Limit State Method. **REINFORCED CONCRETE STRUCTURE DESIGN ASSISTANT** NPTEL provides E-learning through online Web and Video courses various streams. **1.054/1.541 Mechanics and Design of Concrete Structures (3-0-9** The aim of this publication is to make the transition to Eurocode 2: Design of concrete structures as easy as possible by drawing together in one place key **How to Design Concrete Structures to Eurocode 2 - The Compendium** Introduction. The Design of Concrete Structures -study path offers students a comprehensive learning opportunity for engineering practices in concrete structures **QUT - Unit - ENB471 Design of Concrete Structures and Foundations** Introduction / Design Criteria for. Reinforced Concrete Structures. ? Structural design o Definition of design: Determination of the general shape and all specific **Design of Foundations - nptel** The 14th edition of the classic text, Design of Concrete Structures, is completely revised using the newly released 2008 ACI (American Concrete Institute) Code. **Glossary - Design of Concrete Structures - Different Methods of Design of Reinforced Concrete Structures - nptel** Objectives and Methods of Analysis and Design, and Properties of Concrete and Steel, Objectives and Methods of Analysis and Design, PDF, 0.3 kb. Objectives **QUT - Unit - EGB375 Design of Concrete Structures** NPTEL provides E-learning through online Web and Video courses various streams. **Design of Concrete Structures - nptel** LEC #, TOPICS, DESIGN EXAMPLES. 1, Introduction Design Criteria for Reinforced Concrete Structures (PDF). 2, Micro-cracking of Concrete Stress-strain **Philosophies of Design by Limit State Method - nptel** EN 1992-1-1 Concrete structures (3). In EC-2 Design of concrete structures . Part 1: General rules and rules for buildings. 109 national **Design of Concrete Structures Vrije Universiteit Brussel** This is an intermediate civil engineering unit that will develop the knowledge essential for the design of concrete structural elements using part of the information