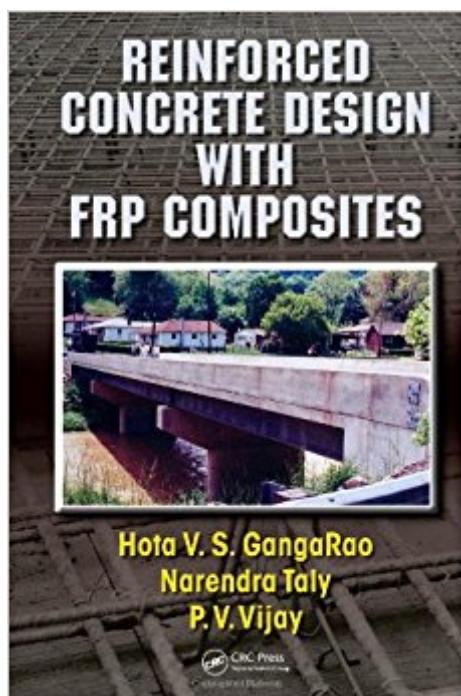


The book was found

Reinforced Concrete Design With FRP Composites



Synopsis

Although the use of composites has increased in many industrial, commercial, medical, and defense applications, there is a lack of technical literature that examines composites in conjunction with concrete construction. Fulfilling the need for a comprehensive, explicit guide, Reinforced Concrete Design with FRP Composites presents specific information necessary for designing concrete structures with fiber reinforced polymer (FRP) composites as a substitute for steel reinforcement and for using FRP fabrics to strengthen concrete members. In a reader-friendly, design-oriented manner, this book discusses the analysis, design, durability, and serviceability of concrete members reinforced with FRP. The authors first introduce the elements that constitute composites—the structural constituent and matrix—and discuss how composites are manufactured. Following an examination of the durability of FRP composites that contain fibers, such as glass, carbon, or aramid, the book illustrates how FRP external reinforcement systems (FRP-ER) can be used for enhancing the strength and stiffness of concrete structures using theory and design principles. The concluding chapter concentrates on serviceability aspects of concrete members internally reinforced with FRP. An excellent resource of design and construction practices, Reinforced Concrete Design with FRP Composites is a state-of-the-art reference on concrete members reinforced with FRP.

Book Information

Hardcover: 400 pages

Publisher: CRC Press; 1 edition (November 20, 2006)

Language: English

ISBN-10: 0824758293

ISBN-13: 978-0824758295

Product Dimensions: 6.1 x 0.9 x 9.2 inches

Shipping Weight: 1.4 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #888,047 in Books (See Top 100 in Books) #89 in Books > Engineering & Transportation > Engineering > Materials & Material Science > Concrete #176 in Books > Science & Math > Agricultural Sciences > Crop Science #216 in Books > Engineering & Transportation > Engineering > Materials & Material Science > Polymers & Textiles

[Download to continue reading...](#)

Reinforced Concrete Design with FRP Composites Strengthening of Reinforced Concrete Structures: Using Externally-Bonded Frp Composites in Structural and Civil Engineering (Woodhead

Publishing Series in Civil and Structural Engineering) Textile Reinforced Concrete (Modern Concrete Technology) Ceramic Matrix Composites: Fiber Reinforced Ceramics and their Applications Diseno y calculo de estructuras de concreto reforzado/ Design and calculation of reinforced concrete structures: Por Resistencia Maxima Y Servicio/ for Maximum Strength and Service (Spanish Edition) Reinforced Concrete: Mechanics and Design (7th Edition) Design of Reinforced Concrete Reinforced Concrete Design (5th Edition) Reinforced Concrete Design Reinforced Concrete Design (8th Edition) Seismic Design of Reinforced Concrete and Masonry Buildings Reinforced Concrete: Mechanics and Design (6th Edition) DESIGN OF REINFORCED CONCRETE STRUCTURES Reinforced Concrete: Mechanics and Design Principles of Reinforced Concrete Design Seismic Design of Reinforced Concrete Buildings Reinforced Concrete Design of Tall Buildings Design of Reinforced Concrete, 10th Edition Reinforced Concrete: Preliminary Design for Architects and Builders Reinforced Concrete Design (6th Edition)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)