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CIRIA GUIDE 2

The design of deep beams in reinforced concrete

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Ciria Guide Deep Beam

Yan Bai



Ciria Guide Deep Beam:

Reinforced Concrete Deep Beams F K Kong,1991-05-01 The contents of this book have been chosen with the following main aims to review the present coverage of the major design codes and the CIRIA guide and to explain the fundamental behaviour of deep beams to provide information on design topics which are inadequately covered by the current codes and design manuals and to give authoritative review Manual of Numerical Methods in Concrete M Y H Bangash,2001-07-27 Manual of numerical methods in concrete aims to present a unified approach for the available mathematical models of concrete linking them to finite element analysis and to computer programs in which special provisions are made for concrete plasticity cracking and crushing with and without concrete aggregate interlocking Creep temperature and shrinkage formulations are included and geared to various concrete constitutive models **The Structural Engineer** ,1986

Mechanics of Structures and Materials M.A. Bradford,R.Q. Bridge,S.J. Foster,1999-01-01 Structural mechanics in Australasia is the focus of the some 100 papers but among them are also contributions from North America Japan Britain Asia and southeast Asia *Precast Concrete Structures* Kim S. Elliott,2019-08-08 This second edition of Precast Concrete Structures introduces the conceptual design ideas for the prefabrication of concrete structures and presents a number of worked examples that translate designs from BS 8110 to Eurocode EC2 before going into the detail of the design manufacture and construction of precast concrete multi storey buildings Detailed structural analysis of precast concrete and its use is provided and some details are presented of recent precast skeletal frames of up to forty storeys The theory is supported by numerous worked examples to Eurocodes and European Product Standards for precast reinforced and prestressed concrete elements composite construction joints and connections and frame stability together with extensive specifications for precast concrete structures The book is extensively illustrated with over 500 photographs and line drawings **Proceedings - Institution of Civil Engineers** Institution of Civil Engineers (Great Britain),1989 *ACI Structural Journal* ,2008 **Geodex Structural Information Service** Geodex International,1987 Reinforced Concrete Design Somnath Ghosh,Kushal Ghosh,2024-12-13 This book explains behavioral aspects of Reinforced Concrete RCC structures along with brief research to understand the codal recommendations in different countries Related issues of RCC design are also discussed and these are supplemented by numerical design examples and fundamental review questions in each chapter The subject matter in this book also critically discusses the considerations for non elastic behavior in design procedures to accommodate design objectives A comparison of design methodology and output as per IS BS EURO and ACI Codes is also included Features Covers the basic behavioral aspects of reinforced concrete structures Includes design examples to understand the theoretical concepts of different modules Discusses considerations for non elastic behavior for making simple design procedures to accommodate design objectives within codal provisions Provides the basic insights necessary for effective development of a design Includes a number of design examples along with working drawings This

book is aimed at researchers professionals graduate students in RCC structures civil and infrastructure engineering and those involved in project execution and consultancy firms Advances of Soft Computing in Engineering Zenon Waszczyszyn,2010-01-01 The articles in this book present advanced soft methods related to genetic and evolutionary algorithms immune systems formulation of deterministic neural networks and Bayesian NN Many attention is paid to hybrid systems for inverse analysis fusing soft methods and the finite element method Numerical efficiency of these soft methods is illustrated on the analysis and design of complex engineering structures **Proceedings** Institution of Civil Engineers (Great Britain),1988-02 **Applied Mechanics Reviews** ,1987 **Journal of Ferrocement** ,2002 **Magazine of Concrete Research** ,1983 Reinforcement Detailing Manual Robin Whittle,1981 **Reinforced Concrete Designer's Handbook** Charles Edward Reynolds,James Cyril Steedman,1981 A Viewpoint publication *Concrete Abstracts* ,1986 **IABSE Reports** ,1982 The Design of Deep Beams in Reinforced Concrete ,1977 *Proceedings* International Congress of the Precast Concrete Industry,1994

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