About the Book

Precast reinforced and prestressed concrete frames provide a high strength, stable, durable and robust solution for any multi-storey structure, and are widely regarded as a high quality, economic and architecturally versatile technology for the construction of multi-storey buildings. The resulting buildings satisfy a wide range of commercial and industrial needs. Precast concrete buildings behave in a different way to those where the concrete is cast in-situ, with the components subject to different forces and movements. These factors are explored in detail in the second edition of Multi-Storey Precast Concrete Framed Structures, providing a detailed understanding of the procedures involved in precast structural design. This new edition has been fully updated to reflect recent developments, and includes many structural calculations based on EUROCODE standards. These are shown in parallel with similar calculations based on British Standards to ensure the designer is fully aware of the differences required in designing to EUROCODE standards.

Salient Features

Features design examples to Eurocode standards including BS EN 1990: Basis of Structural Design, BS EN 1991: Actions on Structures, and BS EN 1992: Design of Concrete Structures
Numerous worked examples with Eurocode and older BS based calculations shown in parallel
Strongly practical in approach
‘deserves to be read widely’ - The Structural Engineer

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