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Analysis and Design Practice of Steel Structures (Second Edition)

By Karuna Moy Ghosh

PHI Learning, 2014. Softcover. Book Condition: New. 2nd edition. 18 x 24 cm. This book is a comprehensive presentation of the fundamental aspects of analysis and design of steel structures. It is primarily meant for the undergraduate students of civil engineering and postgraduate students of structural engineering. It will also be immensely useful for structural engineers engaged in design, consultancy and construction involving steel structures. The important theoretical and practical concepts which need to be assimilated prior to undertaking analysis and design?general principles and practices, functional aspects of structures, basic design concepts, alternative arrangements of equipment and service, clarity of structural behaviour, and calculations of loadings on structures?are covered in the first two chapters. The ensuing chapters provide stepwise presentation of the analysis and design procedures for various steel structures and structural elements/members on the basis of Eurocodes and British (BS) codes of practice. The three types of structures specifically covered, on the basis of functional aspects, are scrap yard structures, conveyor structural systems, and turbo-generator buildings. In the Second Edition, analysis and design of steel structures have been carried out based on Indian Standard code of practice IS 800:2007. Every component of the structure comprising the beams and columns...



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