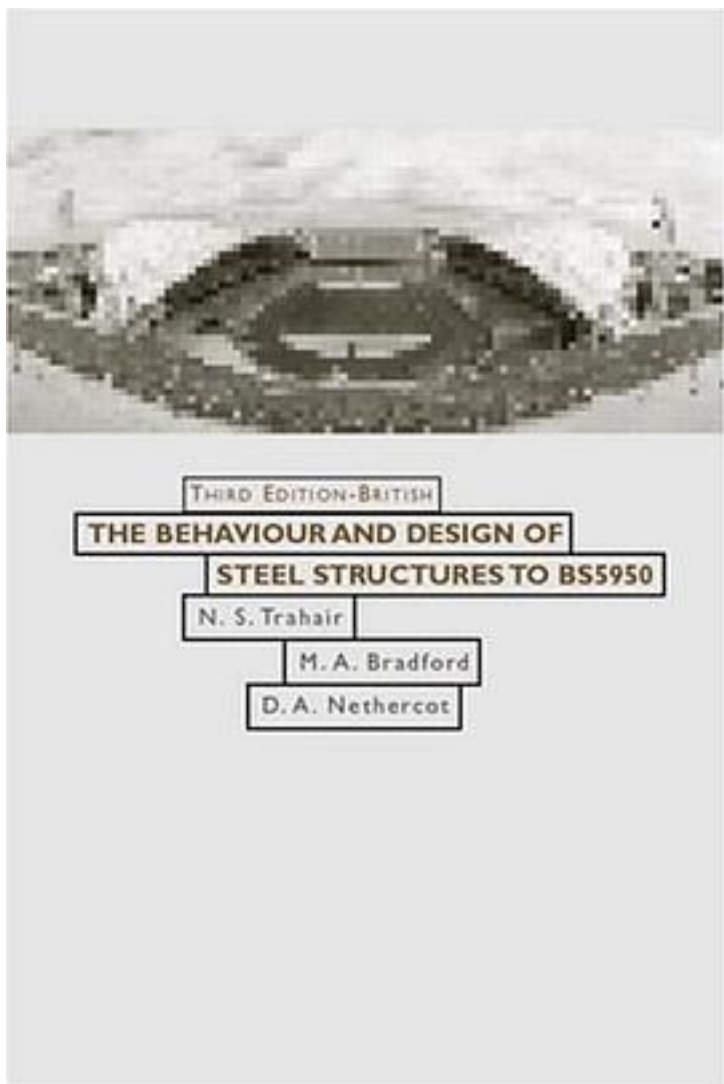


# Behaviour and Design of Steel Structures to BS5950



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The third edition of this successful textbook is concerned specifically with the design of steel structures to the British standard BS 5950. Thoroughly revised and updated in accordance with the latest 2000 amendment to Part 1 of the standard, it discusses all aspects of the behaviour of steel structures, and criteria used in their design. The first chapter summarizes the behaviour of steel structures, describing the loads that act on them, and material properties of the structural steels. Four chapters are devoted to the behaviour of members under tension, compression, in-plane bending, and torsion. Other chapters cover such topics as the local buckling of plates under in-plane loading, lateral buckling of unbraced beams, and in-plane behaviour, lateral buckling, and biaxial bending of members subjected to axial and transverse loads. The book places emphasis on developing a thorough understanding of the behaviour of steel structures, an essential prerequisite to optimising the design process. With copious worked examples, The Behaviour and Design of Steel Structures to BS 5950 is an ideal course textbook for senior undergraduate students, and will also provide a useful reference source for the practising engineer.

作者介绍:

目录:

[Behaviour and Design of Steel Structures to BS5950 下载链接1](#)

标签

结构设计

建筑

评论

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