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[Connections in Steel Structures III](#)      Jun 23 2022 This book publishes the proceedings from the Third International Workshop on Connections in Steel Structures: Behaviour, Strength and Design held in Trento, Italy, 29-31 May 1995. The workshop brought together the world's foremost experts in steel connections research, development, fabrication and design. The scope of the papers reflects state-of-the-art issues in all areas of endeavour, and manages to bring together the needs of researchers as well as designers and fabricators. Topics of particular importance include connections for composite (steel-concrete) structures, evaluation methods and reliability issues for semi-rigid connections and frames, and the impact of extreme loading events such as those imposed by major earthquakes. The book highlights novel methods and applications in the field and ensures that designers and other members of the construction industry gain access to the new results and procedures.

[Design of Steel Structures for Buildings in Seismic Areas](#)      Mar 08 2021 This volume elucidates the design criteria and principles for steel structures under seismic loads according to Eurocode 8-1. Worked Examples illustrate the application of the design rules. Two case studies serve as best-practice samples.

[Steel Structures Design: ASD/LRFD](#)      Aug 13 2021 A COMPLETE GUIDE TO THE DESIGN OF STEEL STRUCTURES Steel Structures Design: ASD/LRFD introduces the theoretical background and fundamental basis of steel design and covers the detailed design of members and their connections. This in-depth resource provides clear interpretations of the American Institute of Steel Construction (AISC) Specification for Structural Steel Buildings, 2010 edition, the American Society of Civil Engineers (ASCE) Minimum Design Loads for Buildings and Other Structures, 2010 edition, and the International Code Council (ICC) International Building Code, 2012 edition. The code requirements are illustrated with 170 design examples, including concise, step-by-step solutions. Coverage includes: Steel buildings and design criteria Design loads Behavior of steel structures under design loads Design of steel structures under design loads Design of steel beams in flexure Design of steel beams for shear and torsion Design of compression members Stability of frames Design by inelastic analysis Design of tension members Design of bolted and welded connections Plate girders Composite construction

[Advanced Analysis and Design of Steel Frames](#)      Nov 04 2020 Steel frames are used in many commercial high-rise buildings, as well as industrial structures, such as ore mines and oilrigs. Enabling construction of ever lighter and safer structures, steel frames have become an important topic for engineers. This book, split into two parts covering advanced analysis and advanced design of steel frames, guides the reader from a broad array of frame elements through to advanced design methods such as deterministic, reliability, and system reliability design approaches. This book connects reliability evaluation of structural systems to advanced analysis of steel frames, and ensures that the steel frame design described is founded on system reliability. Important features of the this book include: fundamental equations governing the elastic and elasto-plastic equilibrium of beam, sheer-beam, column, joint-panel, and brace elements for steel frames; analysis of elastic buckling, elasto-plastic capacity and earthquake-excited behaviour of steel frames; background knowledge of more precise analysis and safer design of steel frames against gravity and wind, as well as key discussions on seismic analysis. theoretical treatments, followed by numerous examples and applications; a review of the evolution of structural design approaches, and reliability-based advanced analysis, followed by the methods and procedures for how to establish practical design formula. Advanced Design and Analysis of Steel Frames provides students, researchers, and engineers with an integrated examination of this core civil and structural engineering topic. The logical treatment of both advanced analysis followed by advanced design makes this an invaluable reference tool, comprising of reviews, methods, procedures, examples, and applications of steel frames in one complete volume.

Limit State Design of Steel Structures Jan 06 2021

Modelling, Test and Practice of Steel Structures Dec 25 2019 This book provides an international forum for the presentation and discussion of the latest developments in structural-steel research and its applications. The topics of this book include the modelling, testing and practice of steel structures and steel-based composite structures. A total of 17 high-quality, original papers dealing with all aspects of steel-structures research, including modelling, testing, and construction research on material properties, components, assemblages, connection, and structural behaviors, are included for publication.

Design and Analysis of Connections in Steel Structures Jul 24 2022 The book introduces all the aspects needed for the safe and economic design and analysis of connections using bolted joints in steel structures. This is not treated according to any specific standard but making comparison among the different norms and methodologies used in the engineering practice, e.g. Eurocode, AISC, DIN, BS. Several examples are solved and illustrated in detail, giving the reader all the tools necessary to tackle also complex connection design problems. The book is introductory but also very helpful to advanced and specialist audiences because it covers a large variety of practice demands for connection design. Parts that are not taken to an advanced level are seismic design, welds, interaction with other materials (concrete, wood), and cold formed connections./p

Steel Designers' Manual Oct 23 2019 "This classic manual on structural steelwork design was first published in 1955, since when it has sold many tens of thousands of copies worldwide. For the seventh edition all chapters have been comprehensively reviewed, revised to ensure they reflect current approaches and best practice, and brought in to compliance with EN 1993: Design of Steel Structures. The Steel Designers' Manual continues to provide, in one volume, the essential knowledge for the design of conventional steelwork. Key Features: Fully revised to comply with the new EUROCODE standards Packed full of tables, analytical design information and worked examples Contributors number leading academics, consulting engineers and fabricators 'A must for anyone involved in steel design' - Journal of Constructional Steel Research"--

Design of Joints in Steel Structures Apr 21 2022 This book details the basic concepts and the design rules included in Eurocode 3 "Design of steel structures" Part 1-8 "Design of joints". Joints in composite construction are also addressed through references to Eurocode 4 "Design of composite steel and concrete structures" Part 1-1 "General rules and rules for buildings". Moreover, the relevant UK National Annexes are also taken into account. Attention has to be duly paid to the joints when designing a steel or composite structure, in terms of the global safety of the construction, and also in terms of the overall cost, including fabrication, transportation and erection. Therefore, in this book, the design of the joints themselves is widely detailed, and aspects of selection of joint configuration and integration of the joints into the analysis and the design process of the whole construction are also fully covered. Connections using mechanical fasteners, welded connections, simple joints, moment-resisting joints and lattice girder joints are considered. Various joint configurations are treated, including beam-to-column, beam-to-beam, column bases, and beam and column splice configurations, under different loading situations (axial forces, shear forces, bending moments and their combinations). The book also briefly summarises the available knowledge relating to the application of the Eurocode rules to joints under fire, fatigue, earthquake, etc., and also to joints in a structure subjected to exceptional loadings, where the risk of progressive collapse has to be mitigated. Finally, there are some worked examples, plus references to already published examples and to design tools, which will provide practical help to practitioners.

Design of Steel Structures Dec 05 2020 Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. A straightforward overview of the fundamentals of steel structure design This hands-on structural engineering guide provides concise, easy-to-understand explanations of the design and behavior of steel columns, beams, members, and connections. Ideal for preparing you for the field, Design of Steel Structures includes real-world examples that demonstrate practical applications of AISC 360 specifications. You will get an introduction to more advanced topics, including connections, composite members, plate girders, and torsion. This textbook also includes access to companion online videos that help connect theory to practice. Coverage includes: Structural systems and elements Design considerations Tension members Design of columns AISC design requirements Design of beams Torsion Stress analysis and design considerations Beam-columns Connections Plate girders Intermediate transverse and bearing stiffeners

Design of Steel Structures Vol. II May 22 2022 ?ABOUT THE BOOK: In the Seventh Edition of the book, the Author has revised the complete text of the book in S.I. Units Practically. The diagrams for the standard train of railway and highway bridge loads have been retained in metric units. The design of light gauge steel structural members in general building construction has been revised as per code of IS: 801-1975. The various expressions for the determination of effective width of elements and for the allowable design stresses and other have been given in S.I. Units along with the respective expressions in metric units for the purpose authenticity. The illustrative examples for the analysis of multistory buildings subjected to lateral loads have been by given free body diagrams for the members and joints for the internal forces. ?RECOMMENDATIONS: A textbook for all Engineering Branches, Competitive Examination, ICS, and AMIE Examinations For Degree, Diploma and A.I.M.E. Students and Practicing Civil Engineers ?ABOUT THE AUTHOR: Dr. Ram Chandra B.E., M.E. (Hons.), M.I.E., Ph.D. (Roorkee) , MIE Professor and Head Department of Structural Engineering M.B.M. Engineering College University of Jodhpur, Jodhpur (Rajasthan) ?BOOK DETAILS: ISBN: 978-81-89401-41-2 PAGES: 893+26 PAPERBACK EDITION:19th,Year-2016 SIZE (cms): L-24.5 B-15.9 H-3.4 ?For more Offers visit our Website: [www.standardbookhouse.com](http://www.standardbookhouse.com)

Hot-Dip Galvanizing of Steel Structures Nov 23 2019 Hot-Dip Galvanizing of Steel Structures contains

practical information that is useful for both researchers in hot-dip galvanizing and engineers, designers, and inspectors. The book draws from the empirical experience and research of the authors, complementing the current state of knowledge of morphological variations of the coating and causes of coating delamination. The book includes chapters devoted to qualitative tests of the coating, and to methods of making corrections. A section describing the principle of protecting steel against corrosion through zinc coating is also provided, along with an extensive chapter on the principles of good design for hot-dip galvanizing. The chapter related to the safety of hot-dip galvanized steel structures offers a new hypothesis about the mechanism of nucleation of LMAC cracks during hot-dip galvanizing, thus enriching the knowledge regarding this phenomenon. Provides practical information on hot-dip galvanizing from a scientific-disciplinary perspective, including coverage of design principles, reliability of galvanized structures, and legal aspects. Features chapters devoted to qualitative assessments of the surface treatment and methods for correcting problems. Includes discussion of hot-dip galvanizing with regard to environmental aspects and sustainable development.

**Design of Welded Steel Structures** Apr 28 2020 The book deals with both theory and practice for design of welded steelwork, and thus, is intended to be of deep interest and value not only to the design engineers and welding engineers in the workshop, but also to the educators and students in the academic field. The material covered in the text represents accumulated knowledge.

**Design of Joints in Steel and Composite Structures** Jun 18 2019 This book details the basic concepts and the design rules included in Eurocode 3 Design of steel structures: Part 1-8 Design of joints. Joints in composite construction are also addressed through references to Eurocode 4 Design of composite steel and concrete structures Part 1-1: General rules and rules for buildings. Attention has to be duly paid to the joints when designing a steel or composite structure, in terms of the global safety of the construction, and also in terms of the overall cost, including fabrication, transportation and erection. Therefore, in this book, the design of the joints themselves is widely detailed, and aspects of selection of joint configuration and integration of the joints into the analysis and the design process of the whole construction are also fully covered. Connections using mechanical fasteners, welded connections, simple joints, moment-resisting joints and lattice girder joints are considered. Various joint configurations are treated, including beam-to-column, beam-to-beam, column bases, and beam and column splice configurations, under different loading situations (axial forces, shear forces, bending moments and their combinations). The book also briefly summarises the available knowledge relating to the application of the Eurocode rules to joints under fire, fatigue, earthquake, etc., and also to joints in a structure subjected to exceptional loadings, where the risk of progressive collapse has to be mitigated. Finally, there are some worked examples, plus references to already published examples and to design tools, which will provide practical help to practitioners.

**The Behaviour and Design of Steel Structures** Sep 21 2019 The second edition of this textbook has been revised in accordance with the most recent UK, US and Australian limit-state design codes for structural steel, particularly the behavior of steel structures and the criteria used in design. Annotation copyright Book News, Inc. Portland, Or.

**Steel Structures** Mar 28 2020 The fourth edition of this popular steel structures book contains references to both Eurocodes and British Standards. All the material has been updated where necessary, and new and revised worked examples are included. Sections on the meaning, the purpose and limits of structural design, sustainable steel building and energy saving have been updated. The initial chapters cover the essentials of structural engineering and structural steel design. The remainder of the book is dedicated to a detail examination of the analysis and design of selected types of structures, presenting complex designs in an understandable and user-friendly way. These structures include a range of single and multi-storey buildings, floor systems and wide-span buildings. Each design example is illustrated with applications based on current Eurocodes or British Standard design data, thus assisting the reader to share in the environment of the design process that normally takes place in practical offices and develop real design skills. Two new chapters on the design of cased steel columns and plate girders with and without rigid end posts to EC4 & EC3 are included too. References have been fully updated and include useful website addresses. Emphasis is placed on practical design with a view to helping undergraduate students and newly qualified engineers bridge the gap between academic study and work in the design office. Practising engineers who need a refresher course on up-to-date methods of design and analysis to EC3 and EC4 will also find the book useful, and numerous worked examples are included.

**Aardbevingsbestendig ontwerpen** Aug 01 2020

**Unified Design of Steel Structures** Mar 20 2022 Geschwindner's 2nd edition of Unified Design of Steel Structures provides an understanding that structural analysis and design are two integrated processes as well as the necessary skills and knowledge in investigating, designing, and detailing steel structures utilizing the latest design methods according to the AISC Code. The goal is to prepare readers to work in design offices as designers and in the field as inspectors. This new edition is compatible with the 2011 AISC code as well as marginal references to the AISC manual for design examples and illustrations, which was seen as a real advantage by the survey respondents. Furthermore, new sections have been added on: Direct Analysis, Torsional and flexural-torsional buckling of columns, Filled HSS columns, and Composite column interaction. More real-world examples are included in addition to new use of three-dimensional illustrations in the book and in the image gallery; an increased number of homework problems; and media approach Solutions Manual, Image Gallery.

**Seismic Design Methods for Steel Building Structures** Nov 16 2021 The book, after two introductory chapters on seismic design principles and structural seismic analysis methods, proceeds with the detailed description of seismic design methods for steel building structures. These methods include all the well-

known methods, like force-based or displacement-based methods, plus some other methods developed by the present authors or other authors that have reached a level of maturity and are applicable to a large class of steel building structures. For every method, detailed practical examples and supporting references are provided in order to illustrate the methods and demonstrate their merits. As a unique feature, the present book describes not just one, as it is the case with existing books on seismic design of steel structures, but various seismic design methods including application examples worked in detail. The book is a valuable source of information, not only for MS and PhD students, but also for researchers and practicing engineers engaged with the design of steel building structures.

Design Of Steel Structures (By Limit State Method As Per Is: 800 2007) Feb 25 2020 So far working stress method was used for the design of steel structures. Nowadays whole world is going for the limit state method which is more rational. Indian national code IS:800 for the design of steel structures was revised in the year 2007 incorporating limit state method. This book is aimed at training the students in using IS: 800 2007 for designing steel structures by limit state method. The author has explained the provisions of code in simple language and illustrated the design procedure with a large number of problems. It is hoped that all universities will soon adopt design of steel structures as per IS: 2007 and this book will serve as a good textbook. A sincere effort has been made to present design procedure using simple language, neat sketches and solved problems.

Structural Steel Design May 30 2020 The material is presented in a clear, reader-friendly style. This best-selling text has been fully updated to conform to the latest American Manual of Steel Construction. Both Load and Resistance Factor Design (LRFD) and Allowable Stress Design (ASD) are now covered and calculations are worked out side-by-side to allow for easy identification of the different methods. Use of SI units as an addition to the primary use of Inch-Pound units. New coverage of Lateral Torsional Bending and Hollow Structural Sections. For steel design students and professionals.

Steel: Design, Properties and Applications Apr 09 2021 Steel design or structural steel design is a sub discipline of structural engineering that is used to design steel structures. Steel is an alloy which is made up of iron and carbon. The tensile strength of steel is high which makes it hard and strong. Designing and construction of steel structures depend on chemical composition and mechanical properties of steel. Two commonly used methods for designing steel structures are allowable strength design method (ASD) and load and resistance factor design method (LRFD). Steel is widely used in automobile industry, infrastructure business, construction of roads, small and heavy instruments and equipments. This book unravels the recent studies in the field of steel design and its applications. It unfolds the innovative aspects of steel design which will be crucial for the progress of this field in the future. This book attempts to assist those with a goal of delving into this field of study.

Design of Steel Structures Oct 27 2022 Many Advance in design, fabrication and construction of steel structures have taken place with the advancement of technology and globalization. Steel structures are used extensively in industrial structures in addition to bridges, tower and communication networks. Steel cables of high tensile wires are also being used very extensively in the industry.

Structural Stability of Steel Oct 03 2020 Practical guide to structural stability theory for the design of safe steel structures Not only does this book provide readers with a solid foundation in structural stability theory, it also offers them a practical, working knowledge of how this theory translates into design specifications for safe steel structures. Structural Stability of Steel features detailed discussions of the elastic and inelastic stability of steel columns, beams, beam-columns, and frames alongside numerous worked examples. For each type of structural member or system, the authors set forth recommended design rules with clear explanations of how they were derived. Following an introduction to the principles of stability theory, the book covers: \* Stability of axially loaded planar elastic systems \* Tangent-modulus, reduced-modulus, and maximum strength theories \* Elastic and inelastic stability limits of planar beam-columns \* Elastic and inelastic instability of planar frames \* Out-of-plane, lateral-torsional buckling of beams, columns, and beam-columns The final two chapters focus on the application of stability theory to the practical design of steel structures, with special emphasis on examples based on the 2005 Specification for Structural Steel Buildings of the American Institute of Steel Construction. Problem sets at the end of each chapter enable readers to put their newfound knowledge into practice by solving actual instability problems. With its clear logical progression from theory to design implementation, this book is an ideal textbook for upper-level undergraduates and graduate students in structural engineering. Practicing engineers should also turn to this book for expert assistance in investigating and solving a myriad of stability problems.

Simplified Design of Steel Structures Jan 18 2022 This text discusses the design of ordinary structures for buildings using current industry products and standards, and accepted construction practices. It is organised for self-study, requiring only minimal prior experience of engineering design.

Stability of Steel Structures Dec 17 2021

Ductile Design of Steel Structures, 2nd Edition Aug 25 2022 Comprehensive coverage of the background and design requirements for plastic and seismic design of steel structures Thoroughly revised throughout, Ductile Design of Steel Structures, Second Edition, reflects the latest plastic and seismic design provisions and standards from the American Institute of Steel Construction (AISC) and the Canadian Standard Association (CSA). The book covers steel material, cross-section, component, and system response for applications in plastic and seismic design, and provides practical guidance on how to incorporate these principles into structural design. Three new chapters address buckling-restrained braced frame design, steel plate shear wall design, and hysteretic energy dissipating systems and design strategies. Eight other chapters have been extensively revised and expanded, including a chapter presenting the basic seismic design philosophy to determine seismic loads. Self-study problems at the end of each chapter help

reinforce the concepts presented. Written by experts in earthquake-resistant design who are active in the development of seismic guidelines, this is an invaluable resource for students and professionals involved in earthquake engineering or other areas related to the analysis and design of steel structures. COVERAGE INCLUDES: Structural steel properties Plastic behavior at the cross-section level Concepts, methods, and applications of plastic analysis Building code seismic design philosophy Design of moment-resisting frames Design of concentrically braced frames Design of eccentrically braced frames Design of steel energy dissipating systems Stability and rotation capacity of steel beams

Fundamentals of Structural Steel Design Jul 20 2019

Design Of Steel Structure 3E Oct 15 2021

Design Of Steel Structures Sep 02 2020

Fire Design of Steel Structures Feb 19 2022 This book explains and illustrates the rules that are given in the Eurocode for designing steel structures subjected to fire. After the first introductory chapter, Chapter 2 explains how to calculate the mechanical actions (loads) in the fire situation based on the information given in EN 1990 and EN 1991. Chapter 3 presents the models to be used to represent the thermal action created by the fire. Chapter 4 describes the procedures to be used to calculate the temperature of the steelwork from the temperature of the compartment and Chapter 5 shows how the information given in EN 1993-1-2 is used to determine the load bearing capacity of the steel structure. The methods use to evaluate the fire resistance of bolted and welded connections are described in Chapter 7. Chapter 8 describes a computer program called "Elefir-EN" which is based on the simple calculation model given in the Eurocode and allows designers to quickly and accurately calculate the performance of steel components in the fire situation. Chapter 9 looks at the issues that a designer may be faced with when assessing the fire resistance of a complete building. This is done via a case study and addresses most of the concepts presented in the earlier Chapters. The concepts and fire engineering procedures given in the Eurocodes may see complex those more familiar with the prescriptive approach. This publication sets out the design process in a logical manner giving practical and helpful advice and easy to follow worked examples that will allow designer to exploit the benefits of this new approach to fire design.

Fatigue Design of Steel and Composite Structures Jun 11 2021 This volume addresses the specific subject of fatigue, a subject not familiar to many engineers, but still relevant for proper and good design of numerous steel structures. It explains all issues related to the subject: Basis of fatigue design, reliability and various verification formats, determination of stresses and stress ranges, fatigue strength, application range and limitations. It contains detailed examples of applications of the concepts, computation methods and verifications.

Designers' Guide to Eurocode 3 Jan 26 2020 This series of Designers Guides to the Eurocodes provides comprehensive guidance in the form of design aids, indications for the most convenient design procedures and worked examples. The books also include background information to aid the designer in understanding the reasoning behind and the objectives of the codes. All of the individual guides work in conjunction with the Designers Guide to EN1990: Basis of Structural Design.

Steel Design Course Jun 30 2020

Ductile Design of Steel Structures Sep 14 2021 Ensure ductile behavior in any steel structure Engineer earthquake resistant structures using today's most advanced ductile steel design techniques. This guide gives you the latest seismic-resistant design criteria--based on research into the recent Northridge and Kobe earthquakes. You get fingertip access to the ductile properties of steel. . .essential data on the plastic behavior of cross-sections. . .and systematic methods and applications of plastic analysis. This time-saving resource walks you through the seismic design of ductile braced frames and moment resisting frames. . .provides the special detailing requirements needed to ensure satisfactory plastic behavior. . .gives you an overview of special steel-based energy dissipation systems. . .and much more.

Design of Steel Structures Feb 07 2021 This book is intended for classroom teaching in architectural and civil engineering at the graduate and undergraduate levels. Although it has been developed from lecture notes given in structural steel design, it can be useful to practicing engineers. Many of the examples presented in this book are drawn from the field of design of structures. Design of Steel Structures can be used for one or two semesters of three hours each on the undergraduate level. For a two-semester curriculum, Chapters 1 through 8 can be used during the first semester. Heavy emphasis should be placed on Chapters 1 through 5, giving the student a brief exposure to the consideration of wind and earthquakes in the design of buildings. With the new federal requirements vis a vis wind and earthquake hazards, it is beneficial to the student to have some understanding of the underlying concepts in this field. In addition to the class lectures, the instructor should require the student to submit a term project that includes the complete structural design of a multi-story building using standard design procedures as specified by AISC Specifications. Thus, the use of the AISC Steel Construction Manual is a must in teaching this course. In the second semester, Chapters 9 through 13 should be covered. At the undergraduate level, Chapters 11 through 13 should be used on a limited basis, leaving the student more time to concentrate on composite construction and built-up girders.

The Behaviour and Design of Steel Structures to EC3 Jul 12 2021 The fully revised fourth edition of this successful textbook fills a void which will arise when British designers start using the European steel code EC3 instead of the current steel code BS5950. The principal feature of the fourth edition is the discussion of the behaviour of steel structures and the criteria used in design according to the British version of EC3. Thus it serves to bridge the gap which too often occurs when attention is concentrated on methods of analysis and the sizing of structural components. Because emphasis is placed on the development of an understanding of behaviour, many analytical details are either omitted in favour of

more descriptive explanations, or are relegated to appendices. The many worked examples both illustrate the behaviour of steel structures and exemplify details of the design process. The Behaviour and Design of Steel Structures to EC3 is a key text for senior undergraduate and graduate students, and an essential reference tool for practising structural engineers in the UK and other countries.

Design of Steel Structures Sep 26 2022 This book introduces the design concept of Eurocode 3 for steel structures in building construction, and their practical application. It especially comments on the regulations of the british National Annexes. Following a discussion of the basis of design, including the limit state approach, the material standards and their use are detailed. The fundamentals of structural analysis and modeling are presented, followed by the design criteria and approaches for various types of structural members. The following chapters expand on the principles and applications of elastic and plastic design, each exemplified by the step-by-step design calculation of a braced steel-framed building and an industrial building, respectively. Besides providing the necessary theoretical concepts for a good understanding, this manual intends to be a supporting tool for the use of practicing engineers. In order of this purpose, throughout the book, numerous worked examples are provided, concerning the analysis of steel structures and the design of elements under several types of actions. These examples will provide for a smooth transition from earlier national codes to the Eurocode.

Main Trends in the Development of Steel Structures and Modern Methods of Their Fabrication May 10 2021  
Behaviour and Design of Steel Structures to BS 5950 Aug 21 2019 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. 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.

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