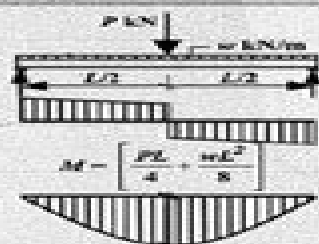
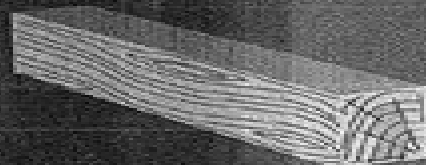


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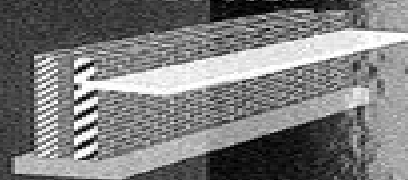
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Gasiyarov,2022-01-01 This book highlights recent findings in industrial manufacturing and mechanical engineering and provides an overview of the state of the art in these fields mainly in Russia and Eastern Europe A broad range of topics and issues in modern engineering is discussed including the dynamics of machines and working processes friction wear and lubrication in machines surface transport and technological machines manufacturing engineering of industrial facilities materials engineering metallurgy control systems and their industrial applications industrial mechatronics automation and robotics The book gathers selected papers presented at the 7th International Conference on Industrial Engineering ICIE held in Sochi Russia in May 2021 The authors are experts in various fields of engineering and all papers have been carefully reviewed Given its scope the book will be of interest to a wide readership including mechanical and production engineers lecturers in engineering disciplines and engineering graduates *Proceedings of the Sustainable Concrete Materials and Structures in Construction 2020* Sharifah Salwa Mohd Zuki,Shahrul Niza Mokhatar,Shahiron Shahidan,Mohd Haziman Bin Wan Ibrahim,2021-05-25 This book gathers a selection of peer reviewed papers presented at the Sustainable Concrete Materials and Structures in Construction 2020 held at Universiti Tun Hussein Onn Malaysia Malaysia on 24th August 2020 The contributions prepared by international scientists and engineers cover the latest advances in and innovative applications with the theme Towards Sustainable Green Concrete The articles in this book cater to academics graduate students researchers as well as industrial practitioners working in the areas of concrete materials and building construction

Robustness Analysis in Decision Aiding, Optimization, and Analytics Michael Doumpos,Constantin Zopounidis,Evangelos Grigoroudis,2016-07-12 This book provides a broad coverage of the recent advances in robustness analysis in decision aiding optimization and analytics It offers a comprehensive illustration of the challenges that robustness raises in different operations research and management science OR MS contexts and the methodologies proposed from multiple perspectives Aside from covering recent methodological developments this volume also features applications of robust techniques in engineering and management thus illustrating the robustness issues raised in real world problems and their resolution within advances in OR MS methodologies Robustness analysis seeks to address issues by promoting solutions which are acceptable under a wide set of hypotheses assumptions and estimates In OR MS robustness has been mostly viewed in the context of optimization under uncertainty Several scholars however have emphasized the multiple facets of robustness analysis in a broader OR MS perspective that goes beyond the traditional framework seeking to cover the decision support nature of OR MS methodologies as well As new challenges emerge in a big data era where the information volume speed of flow and complexity increase rapidly and analytics play a fundamental role for strategic and operational decision making at a global

level robustness issues such as the ones covered in this book become more relevant than ever for providing sound decision support through more powerful analytic tools **The British National Bibliography** Arthur James Wells,2004

Paradigms Of Complexity: Fractals And Structures In The Sciences Miroslav M Novak,2000-04-18 Every reader will find something of interest in this book from superdiffusion of the ocean surface to fetal heartbeats from solar wind to the wearing out of tools from radioactive contamination to texture analysis from image rendering to neural developments The all pervading link connecting these disparate disciplines is the realization that a linear approach to the majority of natural processes is at best only an approximation that can frequently be downright misleading Consequently the rise of what is broadly called the theory of complexity has gained tremendous momentum in the last decade or two This modern approach aims at and frequently succeeds in correctly explaining many natural processes The papers in this volume are based on presentations of the sixth international conference exploring the above mentioned issues These conferences are now regular and well established among the nonlinear series of conferences This conference series is organized in different geographical regions to encourage international collaboration Among the distinguishing features of the series is its multidisciplinary nature which has been growing steadily **Structural Elements Design Manual** Trevor Draycott,Peter Bullman,2009

Trevor Draycott and Peter Bullman cover the behaviour and practical design of the main building elements timber concrete masonry and steelwork *Journal of Engineering Mechanics* ,1999 *Architectural Publications Index* ,2003 Concrete Abstracts ,1984 American Book Publishing Record ,2005 *Design of Structural Elements* Chanakya Arya,2009-05-07

This third edition of a popular textbook is a concise single volume introduction to the design of structural elements in concrete steel timber masonry and composites It provides design principles and guidance in line with both British Standards and Eurocodes current as of late 2007 Topics discussed include the philosophy of design basic structural concepts and material properties After an introduction and overview of structural design the book is conveniently divided into sections based on British Standards and Eurocodes

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