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# Adcom Gtp 600 Manual

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Comprehensive guide to the restoration of images degraded by motion blur, encompassing algorithms and architectures, with novel computational photography methods.

Vehicle-bridge Interaction Dynamics Lexington Books  
An account of the fundamental principles of optimization theory blended in a judicious

[Mathematical Physics](#)

Minerals, Metals, & Materials Society

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way with current research. It helps the reader to probe into such advanced topics like Non-smooth Optimization and Conjugate Duality.

Frontiers in  
Superconducting Materials  
John Wiley & Sons

The book is designed to serve as a textbook for courses offered to graduate and upper-undergraduate students enrolled in mechanical engineering.

The book attempts to make students with mathematical backgrounds comfortable with numerical methods.

The book also serves as a handy reference for practicing engineers who are interested in applications.

The book is written in an easy-to-understand manner, with the essence of each numerical method clearly stated. This makes it easy for professional engineers,

students, and early career researchers to follow the material presented in the book. The structure of the book has been modeled accordingly. It is divided into four modules: i) solution of a system of equations and eigenvalues which includes linear equations, determining eigenvalues, and solution of nonlinear equations; ii) function approximations: interpolation, data fit, numerical differentiation, and numerical integration; iii) solution of ordinary differential equations—initial value problems and boundary value problems; and iv) solution of partial differential equations—parabolic, elliptic, and hyperbolic PDEs. Each section of the book includes exercises to reinforce the concepts, and

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problems have been added at the end of each chapter. Exercise problems may be solved by using computational tools such as scientific calculators, spreadsheet programs, and MATLAB codes. The detailed coverage and pedagogical tools make this an ideal textbook for students, early career researchers, and professionals.

**Principles of Optimization Theory**

A-R Editions, Inc.  
Essentials of Radiation Heat Transfer presents the essential, fundamental information required to gain an understanding of radiation heat transfer and equips the reader with enough knowledge to

be able to tackle more challenging problems. All concepts are reinforced by carefully chosen and fully worked examples, and exercise problems are provided at the end of every chapter.

*Essentials of Radiation Heat Transfer* Audio

Amateur Incorporated

This unique treatment systematically interprets a spectrum of importance measures to provide a comprehensive overview of their applications in the areas of reliability, network, risk, mathematical programming, and optimization. Investigating the precise relationships among various importance measures, it describes how they are modelled and combined with other design tools to allow users to solve

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readily many real-world, large-scale decision-making problems. Presenting the state-of-the-art in network analysis, multistate systems, and application in modern systems, this book offers a clear and complete introduction to the topic. Through describing the reliability importance and the fundamentals, it covers advanced topics such as signature of coherent systems, multi-linear functions, and new interpretation of the mathematical programming problems. Key highlights: Generalizes the concepts behind importance measures (such as sensitivity and perturbation analysis, uncertainty analysis, mathematical programming, network designs), enabling readers to address large-scale problems within various fields effectively Covers a

large range of importance measures, including those in binary coherent systems, binary monotone systems, multistate systems, continuum systems, repairable systems, as well as importance measures of pairs and groups of components Demonstrates numerical and practical applications of importance measures and the related methodologies, including risk analysis in nuclear power plants, cloud computing, software reliability and more Provides thorough comparisons, examples and case studies on relations of different importance measures, with conclusive results based on the authors' own research Describes reliability design such as redundancy allocation, system upgrading and component assignment. This book will benefit researchers and

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practitioners interested in systems design, reliability, risk and optimization, statistics, maintenance, prognostics and operations. Readers can develop feasible approaches to solving various open-ended problems in their research and practical work. Software developers, IT analysts and reliability and safety engineers in nuclear, telecommunications, offshore and civil industries will also find the book useful.

**Hallelujah Trombone!**

Springer Nature  
Ecoambiguity, Community, and Development takes stock of cultural and environmental contexts in many different regions of the world by exploring literature and film. Artists and scholars working in the social ecology, environmental justice, and postcolonial arenas have

long recognized that as soon as we tug on a thread of “ecodegradation,” we generally find it linked to some form of cultural oppression. The reverse is also often true. In the spirit of postcolonial ecocriticism, the studies collected by Scott Slovic, R.

Swarnalatha, and Vidya Sarveswaran emphasize the impossibility of disentangling environmental and cultural problems. While not all the authors explicitly invoke Karen Thornber’s term “ecoambiguity” or the concepts and terminology of postcolonial ecocriticism, their articles frequently bring to light various ironies. For example, the fact that Ukrainian environmental experience in the twenty-first century is defined by one of the world’s most infamous industrial disasters, the Chernobyl nuclear accident of 1986,

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yet Ukrainian culture, like many throughout the world, actually cherishes a profound, even animistic, attachment to the wonders of nature. The repetition of this and other paradoxes in human cultural responses to the more-than-human world reinforces our sense of the congruities and idiosyncrasies of human culture. Every human culture, regardless of its condition of economic and industrial development, has produced its own version of “environmental literature and art”—but the nuances of this work reflect that culture’s precise social and geophysical circumstances. In various ways, these stories of community and development from across the planet converge and diverge, as told and explained by distinguished scholars, many of whom come from the cultures

represented in these articles.

*The Edge of Physics*  
Springer Science &  
Business Media

This book introduces readers to various types of offshore platform geometries. It addresses the various environmental loads encountered by these structures, and provides detailed descriptions of the fundamentals of structural dynamics in a classroom style, helping readers estimate damping in offshore structures and grasp these aspects’ applications in preliminary analysis and design. Basic concepts of structural dynamics are emphasized through simple illustrative examples and exercises. Design methodologies and guidelines, which are FORM based concepts, are explained through a selection of applied sample structures. Each chapter

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also features tutorials and exercises for self-learning. A dedicated chapter on stochastic dynamics helps students to extend the basic concepts of structural dynamics to this advanced domain of research. Hydrodynamic response of offshore structures with perforated members is one of the most recent research applications, and has proven to be one of the most effective means of retrofitting offshore structures. In addition, the book integrates the concepts of structural dynamics with the FORM-evolved design of offshore structures, offering a unique approach. This new edition is divided into seven chapters, each of which has been updated. Each chapter also includes a section on frequently asked Questions and Answers (Q&A), which enhances understanding of

this complex subject through an easy and self-explanatory text. Furthermore, the book presents valuable content with respect to new and recent research carried out by the author in structural dynamics. All numeric examples have been re-checked with more additional explanations. New exercises have been added to improve understanding of the subject matter. Computer coding is also included (wherever possible) to aid computer-based learning of the contents of the book. The book can serve as a textbook for senior undergraduate and graduate courses in civil, structural, applied mechanics, mechanical, aerospace, naval architecture and ocean engineering programs. The book can also serve as a text for professional learning

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and development programs or as a guide for practicing and consulting offshore structural engineers. The contents of this book will be useful to graduate students, researchers, and professionals alike.

**The Compact Disc Handbook** Universities Press

The Change Process in Psychotherapy During Troubling Times invites readers to consider what it is psychotherapists do that leads to change. The book highlights different theoretical approaches, questions old paradigms, and illustrates the change process when working with people facing a range of life challenges such as the survivors of childhood trauma, refugees, and people dealing with traumatic

loss. Moving between consideration of micro-moments when working with individual clients and bigger questions about how to promote change in the face of current world problems, it addresses issues that touch us all. At the same time, the book acknowledges the unprecedented challenges in today's world such as the pace of change, the thousands of displaced people who seek refuge in other countries, the illness and loss caused by the coronavirus pandemic, and the impact of climate change on lifestyles and the environment. The book presents a topical consideration of the relevance of therapeutic assumptions, theories, and practices to current global crises. With the



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breadth of presenting issues considered and the examples of a variety of creative approaches supporting change, the book will be useful to psychotherapists in practice and in training working in a range of settings with different populations. It will also be of interest to others working in the helping professions.

Drills Rex Bookstore, Inc. Frontiers in Superconducting Materials gives a state-of-the-art report of the most important topics of the current research in superconductive materials and related phenomena. It comprises 30 chapters written by renowned international experts in the field. It is of central interest to researchers and specialists in Physics and

Materials Science, both in academic and industrial research, as well as advanced students. It also addresses electronic and electrical engineers. Even non-specialists interested in superconductivity might find some useful answers.

Stereophile John Wiley & Sons

Many textbooks are unable to step outside the classroom and connect with industrial practice, and most describe difficult-to-rationalize ad hoc derivations of the modal parameters. In contrast, Elementary Flight Dynamics with an Introduction to Bifurcation and Continuation Methods uses an optimal mix of physical insight and mathematical presentatio

Engineering Informatics CRC Press

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In a presentation that balances theory and practice, *Drills: Science and Technology of Advanced Operations* details the basic concepts, terminology, and essentials of drilling. The book addresses important issues in drilling operations, and provides help with the design of such operations. It debunks many old notions and beliefs while introducing scientifically and technically sound concepts with detailed explanations. The book presents a nine-step drilling tool failure analysis methodology that includes part autopsy and tool reconstruction procedure. A special feature of the book is the presentation of special mechanisms of carbide (e.g. cobalt leaching) and polycrystalline (PCD) tool wear and failure presented and correlated with the tool design, manufacturing, and implementation practice. The author also introduces the system approach to the design of the drilling system formulating the coherency law.

Using this law as the guideline, he shows how to formulate the requirement to the components of such a system, pointing out that the drilling tool is the key component to be improved. Teaching how to achieve this improvement, the book provides the comprehensive scientific and engineering foundations for drilling tool design, manufacturing, and applications of high-performance tools. It includes detailed explanations of the design features, tool manufacturing and implementation practices, metrology of drilling and drilling tools, and the tool failure analysis. It gives you the information needed for proper manufacturing and selection of a tool material for any given application.

*Audio Grupo Editorial Norma*  
Fifteen chapters from eminent researchers working in the area of differential equations and dynamical systems covering all relevant subjects, ranging from wavelets and

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their applications, to second order evolution equations. Importance Measures in Reliability, Risk, and Optimization John Wiley & Sons

Fluid mechanics continues to dominate the world of engineering. This book bridges the gap between first and higher level text books on the subject. It shows that the approximate approaches are essentially globally averaged versions of the local treatment, that in turn is covered in considerable detail in the second edition.

**Yosemite & the Eastern Sierra** CRC Press  
Revision of the 1989 book  
The compact disk; a handbook of theory and use. A technical discussion of the system. Annotation copyrighted by Book News, Inc., Portland, OR  
Solidification Science and Processing Springer

An entrepreneur is someone who has a great, innovative idea that identifies the need for the creation of a new business, taking on the financial risk in the hope of profit and driving that business forward in a measured way. This book draws on the stories, experiences and words of iconic business figures from around the globe and across the years - from Andrew Carnegie and Oprah Winfrey to Steve Jobs and Sunil Mittal. Each chapter deals with a specific aspect of entrepreneurship and the lessons they can teach us, such as: - If you want to become big, you need to think big. If you're content for your business to tick over, that's fine. But if you want it to be a world-

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beater, you need a world-beater's mindset. - Don't forget what makes your business scalable in the first place. - Prepare your company for growing pains. Expansion brings inevitable problems but an entrepreneur should do everything possible to ready their business. - Try to predict what lies ahead - but remember Warren Buffet's wise words: 'Forecasts usually tell us more of the forecaster than of the future'. Each study includes quotations from and about its main subject, along with words of wisdom from other relevant famous names. Informative, educative and thought provoking, *How to Think Like an Entrepreneur* presents the ideas and methods of the business greats, allowing

the reader to expand their understanding of what drives and informs successful entrepreneurship. *Science, Technology, Research and Development* CRC Press  
*Pattern Recognition Algorithms for Data Mining* addresses different pattern recognition (PR) tasks in a unified framework with both theoretical and experimental results. Tasks covered include data condensation, feature selection, case generation, clustering/classification, and rule generation and evaluation. This volume presents various theories, methodologies, and algorithms, using both classical approaches and hybrid paradigms. The authors emphasize large datasets with overlapping, intractable, or nonlinear boundary classes, and datasets that demonstrate granular computing in soft frameworks. Organized into

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eight chapters, the book begins with an introduction to PR, data mining, and knowledge discovery concepts. The authors analyze the tasks of multi-scale data condensation and dimensionality reduction, then explore the problem of learning with support vector machine (SVM). They conclude by highlighting the significance of granular computing for different mining tasks in a soft paradigm.

**English for the Hotel**

**Industry** Pearson

Education India

This book is a collection of selected and refereed papers presented in the Solidification Science and Processing Symposium of the International Symposia on Advanced Materials and Technology for the 21st Century held in Honolulu, Hawaii, December 13-15, 1995.

*Ecoambiguity, Community, and Development* World Scientific

The commercial operation of the bullet train in 1964 in Japan marked the beginning of a new era for high-speed railways. Because of the huge amount of kinetic energy carried at high speeds, a train may interact significantly with the bridge and even resonate with it under certain circumstances. Equally important is the riding comfort of the train cars, which relates closely to the maneuverability of the train during its passage over the bridge at high speeds. This book is unique in that it is devoted entirely to the interaction between the supporting bridges and moving trains, the so-called vehicle-bridge interaction (VBI). Finite element procedures have been developed to treat interaction problems of various complexities, while the analytical solutions

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established for some typical problems are helpful for identifying the key parameters involved. Besides, some field tests were conducted to verify the theories established. This book provides an up-to-date coverage of research conducted on various aspects of the VBI problems. Using the series of VBI elements derived, the authors study a number of frontier problems, including the impact response of bridges with elastic bearings, the dynamic response of curved beam to moving centrifugal forces, the stability and derailment of trains moving over bridges shaken by earthquakes, the impact response of two trains crossing on a bridge, the steady-state response of trains moving over elevated bridges, and so on.

Inorganic and

Organometallic Polymers

Atlantic Monthly Press  
Computers are ubiquitous throughout all life-cycle stages of engineering, from conceptual design to manufacturing maintenance, repair and replacement. It is essential for all engineers to be aware of the knowledge behind computer-based tools and techniques they are likely to encounter. The computational technology, which allows engineers to carry out design, modelling, visualisation, manufacturing, construction and management of products and infrastructure is known as Computer-Aided Engineering (CAE).  
Engineering Informatics: Fundamentals of Computer-Aided Engineering, 2nd Edition provides the foundation knowledge of computing that is

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essential for all engineers. This knowledge is independent of hardware and software characteristics and thus, it is expected to remain valid throughout an engineering career.

This Second Edition is enhanced with treatment of new areas such as network science and the computational complexity of distributed systems. Key features: Provides extensive coverage of almost all aspects of Computer-Aided Engineering, outlining general concepts such as fundamental logic, definition of engineering tasks and computational complexity. Every chapter revised and expanded following more than ten years of experience teaching courses on the basis of the first edition. Covers numerous representation frameworks and reasoning strategies

Considers the benefits of increased computational power, parallel computing and cloud computing. Offers many practical engineering examples and exercises, with lecture notes available for many of the topics/chapters from the ASCE Technical Council on Computing and Information Technology, Global Centre of Excellence in Computing ([www.asceglobalcenter.org](http://www.asceglobalcenter.org)), providing a valuable resource for lecturers. Accompanied by a website hosting updates and solutions. Engineering Informatics: Fundamentals of Computer-Aided Engineering, 2nd Edition provides essential knowledge on computing theory in engineering contexts for students, researchers and practising engineers.

## **Motion Deblurring**

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Springer Science &  
Business Media  
English for the Hotel  
Industry is meant for  
those professionals who  
work in the hospitality  
industry, interact with  
corporate and  
international clients, aim  
to go and work in English-  
speaking countries or just  
want to improve their  
English language  
abilities. Essentially, it  
simulates situations  
where you might need  
English to talk to your  
clients, guests, tourists  
and customers.