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Porsche 911 (Type 996) Service Manual 1999, 2000, 2001, 2002, 2003, 2004 2005 - Bentley Publishers 2012

The full-color Porsche 911 Carrera (Type 996) Service Manual: 1999-2005 is a comprehensive source of service information and specifications for Porsche 911 (Type 996) Coupe, Targa and Convertible models from 1999 to 2005. The aim throughout this manual has been simplicity and clarity, with practical explanations, step-by-step procedures and useful specifications. Whether you're a professional or a do-it-yourself Porsche owner, this manual will help you understand, care for and repair your Porsche. Engines covered: 1999-2001: 3.4 liter (M96.01, M96.02, M96.04) 2002-2005: 3.6 liter (M96.03) Transmissions covered: G96 (6-speed manual) A96 (5-speed automatic)

The Motor Car - Giancarlo Genta 2014-01-06

This book is an introduction to automotive engineering, to give freshmen ideas about this technology. The text is subdivided in parts that cover all facets of the automobile, including legal and economic aspects related to industry and products, product configuration and fabrication processes, historic evolution and future developments. The first part describes how motor vehicles were invented and evolved into the present product in more than 100 years of development. The purpose is not only to supply an historical perspective, but also to introduce and discuss the many solutions that were applied (and could be applied again) to solve the same basic problems of vehicle engineering. This part also briefly describes the evolution of automotive technologies and market, including production and development processes. The second part deals with the description and function analysis of all car subsystems, such as: · vehicle body, · chassis, including wheels, suspensions, brakes and steering mechanisms, · diesel and gasoline engines, · electric motors, batteries, fuel cells, hybrid propulsion systems, · driveline, including manual and automatic gearboxes. This part addresses also many non-technical issues that influence vehicle design and production, such as social and economic impact of vehicles, market, regulations, particularly on pollution and safety. In spite of the difficulty in forecasting the paths that will be taken by automotive technology, the third part tries to open a window on the future. It is not meant to make predictions that are likely to be wrong, but to discuss the trends of automotive research and innovation and to see the possible paths that may be taken to solve the many problems that are at present open or we can expect for the future. The book is completed by two appendices about the contribution of computers in designing cars, particularly the car body and outlining fundamentals of vehicle mechanics, including aerodynamics, longitudinal (acceleration and braking) and transversal (path control) motion.

Citroen 2CV Owner's Workshop Manual - Ian M. Coomber 2013-04

This is a maintenance and repair manual for the DIY mechanic. It provides all you need to know about servicing the Citroen 2CV.

An Introduction to Modern Vehicle Design - Julian Happian-Smith 2001

An Introduction to Modern Vehicle Design starts from basic principles and builds up analysis procedures for all major aspects of vehicle and component design. Subjects of current interest to the motor industry - such as failure prevention, designing with modern material, ergonomics, and control systems - are covered in detail, with a final chapter discussing future trends in automotive design. Extensive use of illustrations, examples, and case studies provides the reader with a thorough understanding of design issues and analysis methods.

Research Methods and Solutions to Current Transport Problems - Mirosław Siergiejczyk 2019-09-18

The book is dedicated as an auxiliary literature for academic staff of universities, research institutes, as well as for students of transport teaching. The aim of the conference was to present the achievements of national and foreign research and scientific centers dealing with the issues of rail, road, air and sea transport in technical and technological aspects, as well as organization and integration of the environment conducting research and education in the discipline of civil engineering

and transport. International Scientific Conference Transport of the 21st Century was held in Ryn, Poland, in the 9th-12th of June 2019. The research areas of the conference were as follows: · transport infrastructure and communication engineering, · construction and operation of means of transport, · logistics engineering and transport technology, · organization and planning of transport, including public transport, · traffic control systems in transport, · transport telematics and intelligent transportation systems, · smart city and electromobility, · safety engineering and ecology in transport, · automation of means of transport. It also used by specialists from central and local government authorities in the area of deepening knowledge of modern technologies and solutions used for planning, managing and operating transport.

Automotive Mechatronics - Konrad Reif 2014-08-25

As the complexity of automotive vehicles increases this book presents operational and practical issues of automotive mechatronics. It is a comprehensive introduction to controlled automotive systems and provides detailed information of sensors for travel, angle, engine speed, vehicle speed, acceleration, pressure, temperature, flow, gas concentration etc. The measurement principles of the different sensor groups are explained and examples to show the measurement principles applied in different types.

Jesus and the Samurai - Michael Zomber 2009-11-05

By 250 AD, Christianity had spread throughout India and China. Known as the Shining Religion or the Luminous Teaching, it drew adherents from Buddhism and Hinduism who were seeking a faith that taught the possibility of achieving a society founded on love and compassion for their fellow man. The new doctrine reached the island nation of Japan where it was so well received that Christianity threatened to supplant Buddhism as the dominant religion. By the close of the 16th century Japanese Christians numbered in the millions. Fifty years later Christianity was officially proscribed and Christians faced execution for openly practicing their faith. Jesus and the Samurai tells their fascinating story with facts drawn from ancient and modern sources.

Explorer Repair Manual - Ford Motor Company of Australia 1996

On board diagnostics. 1997 model year (UN) Explorer. Related to the Ford Explorer repair manual (Part no. WM312). The 1997 service manual provides information covering emissions for 1997 Ford Motor Company trucks. Complete emissions related diagnostic procedures for all affected systems or components that are affected are covered in this manual. The descriptions and specifications contained in this manual were in effect at the time this manual was approved for printing.

MG MGB - Brooklands Books Ltd 2006-03

Official drivers' handbook for a MG MGB.

Introduction to Scientific Programming and Simulation Using R - Owen Jones 2014-06-12

Learn How to Program Stochastic Models Highly recommended, the best-selling first edition of Introduction to Scientific Programming and Simulation Using R was lauded as an excellent, easy-to-read introduction with extensive examples and exercises. This second edition continues to introduce scientific programming and stochastic modelling in a clear,

Exploring Geometry - Michael Hvidsten 2016-12-08

Exploring Geometry, Second Edition promotes student engagement with the beautiful ideas of geometry. Every major concept is introduced in its historical context and connects the idea with real-life. A system of experimentation followed by rigorous explanation and proof is central. Exploratory projects play an integral role in this text. Students develop a better sense of how to prove a result and visualize connections between statements, making these connections real. They develop the intuition needed to conjecture a theorem and devise a proof of what they have observed. Features: Second edition of a successful textbook for the first undergraduate course Every major concept is introduced in its historical context and connects the idea with real life Focuses on experimentation Projects help enhance student learning All major software programs can be used; free software from author

Citroen Sm 1970-1975 - R. M. Clarke 2001-09-01

Launched in 1970 it used the underpinnings from the DS, which meant it had self-leveling hydro-pneumatic suspension, power brakes and good steering. Maserati produced a 170bhp, quad-cam V6 engine. Coupled with a stylish fastback bodyshell it should have been a good car. But the engine was complicated and it was inclined to rust. When Peugeot took over Citroen they sold off Maserati and ceased production of the SM. A good car now is sought after and owners cannot praise them highly enough. This is a book of contemporary road and comparison tests, technical and specification data, new model introductions, driver's impressions & buyer's guide.

Citroën Xsara Picasso Service and Repair Manual - 2014-07

The aim of this manual is to help readers get the best from their vehicle. It provides information on routine maintenance and servicing and the tasks are described and photographed in a step-by-step sequence so that even a novice can do the work.

The Automotive Chassis - Giancarlo Genta 2008-12-26

This work serves as a reference concerning the automotive chassis, i.e. everything that is inside a vehicle except the engine and the body. It is the result of a decade of work mostly done by the FIAT group, who supplied material, together with other automotive companies, and sponsored the work. The first volume deals with the design of automotive components and the second volume treats the various aspects of the design of a vehicle as a system.

Honda Accord 1994-1997 - John Haynes 1999-01-07

There is a Haynes manual for most popular domestic and import cars, trucks, and motorcycles. By conducting complete tear-downs and rebuilds, the Haynes staff has discovered all the problems owners will find in rebuilding or repairing their vehicle. Documenting the process in hundreds of illustrations and clear step-by-step instructions makes every expert tip easy to follow. From simple maintenance to trouble-shooting and complete engine rebuilds, it's easy with Haynes.

Original Citroen DS - John Reynolds 2006-11-15

The Citroen DS launched in 1955 and continued for 20 years. It remains highly collectible and desirable for enthusiasts of European auto. As with all of our Original titles, this book aims to guide collectors, restorers, and enthusiasts through the various production changes between model years to make sure their restoration or prospective purchase is correct, original, and legitimate. With thorough text and detailed photography, every part of the car is cataloged.

Suzuki GSX-R1000 2005-2006 - Penton Staff 2000-05-24

GSX-R1000 (2005-2006)

Machine Learning Control - Taming Nonlinear Dynamics and Turbulence - Thomas Duriez 2016-11-02

This is the first textbook on a generally applicable control strategy for turbulence and other complex nonlinear systems. The approach of the book employs powerful methods of machine learning for optimal nonlinear control laws. This machine learning control (MLC) is motivated and detailed in Chapters 1 and 2. In Chapter 3, methods of linear control theory are reviewed. In Chapter 4, MLC is shown to reproduce known optimal control laws for linear dynamics (LQR, LQG). In Chapter 5, MLC detects and exploits a strongly nonlinear actuation mechanism of a low-dimensional dynamical system when linear control methods are shown to fail. Experimental control demonstrations from a laminar shear-layer to turbulent boundary-layers are reviewed in Chapter 6, followed by general good practices for experiments in Chapter 7. The book concludes with an outlook on the vast future applications of MLC in Chapter 8. Matlab codes are provided for easy reproducibility of the presented results. The book includes interviews with leading researchers in turbulence control (S. Bagheri, B. Batten, M. Glauser, D. Williams) and machine learning (M. Schoenauer) for a broader perspective. All chapters have exercises and supplemental videos will be available through YouTube.

International Stratigraphic Guide - International Union of Geological Sciences. International Subcommission on Stratigraphic Classification 1976

New York : Wiley, c1976.

Automotive Heating & Air Conditioning - Editors of Haynes Manuals 2011-05-01

Written for the do-it-yourselfer, good enough for the pro. Includes everything you wish to know about your vehicles heating and air conditioning. From simple adjustments, to complete tune-ups and troubleshooting.

Computational Geometry - Mark de Berg 2013-04-17

This introduction to computational geometry focuses on algorithms.

Motivation is provided from the application areas as all techniques are related to particular applications in robotics, graphics, CAD/CAM, and geographic information systems. Modern insights in computational geometry are used to provide solutions that are both efficient and easy to understand and implement.

The Car Hacker's Handbook - Craig Smith 2016-03-01

Modern cars are more computerized than ever. Infotainment and navigation systems, Wi-Fi, automatic software updates, and other innovations aim to make driving more convenient. But vehicle technologies haven't kept pace with today's more hostile security environment, leaving millions vulnerable to attack. The Car Hacker's Handbook will give you a deeper understanding of the computer systems and embedded software in modern vehicles. It begins by examining vulnerabilities and providing detailed explanations of communications over the CAN bus and between devices and systems. Then, once you have an understanding of a vehicle's communication network, you'll learn how to intercept data and perform specific hacks to track vehicles, unlock doors, glitch engines, flood communication, and more. With a focus on low-cost, open source hacking tools such as Metasploit, Wireshark, Kayak, can-utils, and ChipWhisperer, The Car Hacker's Handbook will show you how to: -Build an accurate threat model for your vehicle -Reverse engineer the CAN bus to fake engine signals -Exploit vulnerabilities in diagnostic and data-logging systems -Hack the ECU and other firmware and embedded systems -Feed exploits through infotainment and vehicle-to-vehicle communication systems -Override factory settings with performance-tuning techniques -Build physical and virtual test benches to try out exploits safely If you're curious about automotive security and have the urge to hack a two-ton computer, make The Car Hacker's Handbook your first stop.

Environmental Impact Assessment - PADC Environmental Impact Assessment and Planning Unit 1983-02-28

Brian D. Clark PADC Environmental Impact Assessment and Planning Unit Project Director Events throughout the world substantiate the view that planning and decision-making systems need a better integration of environmental, economic and social considerations. Many organizations are showing considerable interest in Environmental Impact Assessment (EIA) and its role in project planning and policy evaluation and as an aid to decision-making. Consequently, it was decided to hold a NATO Advanced Study Institute on EIA for the following reasons. First there is evidence of uncertainty, particularly amongst many scientists and decision-makers, as to the nature, scope and objectives of EIA. Secondly, there is much confusion over the objectives and utility of certain EIA methods. Third, there appears to be a gulf developing between decision-makers and what they require from EIA, and the ability of the scientist to provide information which is scientifically rigorous. Finally, there appears to be little concern as to the relationship between "impact prediction" and the actual consequences of a development activity, suggesting that if EIA is not to become both politically and scientifically disreputable greater emphasis should be placed on prediction, monitoring and post-audit studies. As will be seen from the contents of this volume the ASI attempted to address all of the above topics and indeed many more. It was perhaps inevitable that the ASI raised more questions than were answered but this is indicative of the vigorous debate that is now taking place about the role and utility of EIA.

Vauxhall/Opel Astra & Zafira Diesel - Martynn Randall 2001

Bulletins and Articles - Elizabeth Agnes Johnson 1935

Diesel Engine Design - T. D. Walshaw 1953

Computer Aided Geometric Design - Robert E. Barnhill 2014-05-10
Computer Aided Geometric Design covers the proceedings of the First International Conference on Computer Aided Geometric Design, held at the University of Utah on March 18-21, 1974. This book is composed of 15 chapters and starts with reviews of the properties of surface patch equation and the use of computers in geometrical design. The next chapters deal with the principles of smooth interpolation over triangles and without twist constraints, as well as the graphical representation of surfaces over triangles and rectangles. These topics are followed by discussions of the B-spline curves and surfaces; mathematical and practical possibilities of UNISURF; nonlinear splines; and some piecewise polynomial alternatives to splines under tension. Other chapters explore the smooth parametric surfaces, the space curve as a folded edge, and the interactive computer graphics application of the parametric bi-cubic surface to engineering design problems. The final

chapters look into the three-dimensional human-machine communication and a class of local interpolating splines. This book will prove useful to design engineers.

Automotive Ethernet - Colt Correa 2014-10-20

Featuring a foreword by Bob Metcalfe, inventor of Ethernet! Ethernet, the most widely-used local area networking technology in the world, is moving from the server rooms of automobile manufacturers to their vehicles. As the quantity and variety of electronic devices in cars continues to grow, Ethernet promises to improve performance and enable increasingly powerful and useful applications in vehicles. Now, from Intrepid Control Systems (www.intrepidcs.com) - a leader in the world of automotive networking and diagnostic tools - comes the first book to describe the technology behind the biggest revolution in automotive networking since the 1980s: Automotive Ethernet - The Definitive Guide describes the fundamentals of networking, data link and physical layers of industry-standard Ethernet variants, as well as the new (one twisted pair 100Base Ethernet) 1TPCE or BroadR-Reach technology developed by Broadcom specifically for vehicle use. Topics covered include: in-vehicle networking requirements, comparing Ethernet to CAN and other existing networks (such as LIN, MOST, and FlexRay), TCP/UDP, IPv4/IPv6 and Diagnostics over IP (DoIP). Also covered are the Audio Video Bridging standards used to transport media over Ethernet: Stream Reservation Protocol or SRP (802.1Qat), Forward-Queueing and Time-Sensitive Streams or FQTSS (802.1Qav), Timing and Synchronization for Time-Sensitive Applications or gPTP (802.1as), and Transport Protocol for Time-Sensitive Applications or AVTP (IEEE 1722), and more. Automotive Ethernet: The Definitive Guide will also be available as an ebook for your Kindle!

Competitive Position of the U.S. Gear Industry in U.S. and Global Markets - United States International Trade Commission 1990

Proceedings of the 33rd International MATADOR Conference - David R. Hayhurst 2012-12-06

by Conference Chairman n1 It is my pleasure to introduce this volume of Proceedings for the 33 MATADOR Conference. The Proceedings include 83 refereed papers submitted from 19 countries on 4 continents. The spread of papers in this volume reflects four developments since the 32 MATADOR Conference in 1997: (i) the power of information technology to integrate the management and control of manufacturing systems; (ii) international manufacturing enterprises; (iii) the use of computers to integrate different aspects of manufacturing technology; and, (iv) new manufacturing technologies. New developments in the manufacturing systems area are globalisation and the use of the Web to achieve virtual enterprises. In manufacturing technology the potential of the following processes is being realised: rapid proto typing, laser processing, high-speed machining, and high-speed machine tool design. And, at the same time in the area of controls and automation, the flexibility and integration ability of open architecture computer controllers are creating a wide range of opportunities for novel solutions. Up-to-date research results in these and other areas are presented in this volume. The Proceedings reflect the truly international nature of this Conference and the way in which original research results are both collected and disseminated. The volume does not, however, record the rich debate and extensive scientific discussion which took place during the Conference. I trust that you will find this volume to be a permanent record of some of the research carried out in the last two years; and.

Principles of Microeconomics - Martin Kolmar 2017-09-11

This text provides a comprehensive and unique introduction to modern microeconomics. It pursues an integrative approach by putting the main findings of economics into a broader perspective; theories are critically reflected on from a philosophical standpoint and by comparing them to approaches found in the social sciences, while implications for the design of the legal system and business practices are highlighted throughout. In addition, the book presents brief examples and comprehensive case studies to facilitate an understanding of the theories' real-world implications. Starting from the question as to why and how societies organize economic activity, the book adopts an institutional perspective to analyze the potential and limitations of different market types with regard to alleviating scarcity and achieving distributive objectives. It not only covers traditional rational-choice models, but also systematically introduces readers to important findings from behavioral economics and psychology. A companion workbook is available which features a wide variety of exercises, ranging from basic multiple-choice questions to challenging mathematical problems and case study scenarios.

Citroen Berlingo & Peugeot Partner - Haynes Publishing 2014-07

This is one in a series of manuals for car or motorcycle owners. Each book provides information on routine maintenance and servicing, with tasks described and photographed in a step-by-step sequence so that even a novice can do the work.

The Automotive Chassis - Giancarlo Genta 2019-12-24

This textbook draws on the authors' experience gained by teaching courses for engineering students on e.g. vehicle mechanics, vehicle system design, and chassis design; and on their practical experience as engineering designers for vehicle and chassis components at a major automotive company. The book is primarily intended for students of automotive engineering, but also for all technicians and designers working in this field. Other enthusiastic engineers will also find it to be a useful technical guide. The present volume (The Automotive Chassis - Volume 1: Component Design) focuses on automotive chassis components, such as:• the structure, which is usually a ladder framework and supports all the remaining components of the vehicle;• the suspension for the mechanical linkage of the wheels;• the wheels and tires;• the steering system;• the brake system; and• the transmission system, used to apply engine torque to the driving wheels. This thoroughly revised and updated second edition presents recent developments, particularly in brake, steering, suspension and transmission subsystems. Special emphasis is given to modern control systems and control strategies.

The Fluxus Reader - Ken Friedman 1998-11-18

Part I. Three histories : Developing a fluxable forum: Early performance & publishing / Owen Smith -- Fluxus, fluxion, flushoe: the 1970's / Simon Anderson -- Fluxus fortuna / Hannah Higgins -- Part II. Theories of Fluxus: Boredom and oblivion / Ina Blon -- Zen vaudeville: a medi(t)ation in the margins of Fluxus / David T. Doris -- Fluxus as a laboratory / Craig Saper -- Part III. Critical and historical perspectives: Fluxus history and trans-history: competing strategies for empowerment / Estera Milman -- Historical design and social purpose: a note on the relationship of Fluxus to modernism / Stephen C. Foster -- A spirit of large goals: fluxus, dada and postmodern cultural theory at two speeds -- Part IV. Three Fluxus voices : Transcript of the videotaped Interview with George Maciunas -- Selections from an interview with Billie Maciunas / Susan L. Jarosi -- Maybe Fluxus (a para-interrogative guide for the neoteric transmutter, tinder, tinker and totalist) / Larry Miller -- Part V. Two Fluxus theories : Fluxus : theory and reception / Dick Higgins -- Fluxus and company / Ken Friedman -- Part. VI-- Documents of Fluxus : Fluxus chronology : key moments and events -- A list of selected Fluxus art works and related primary source materials -- A list of selected Fluxus sources and related secondary sources.

Commodore 1997-2004 - Editors Ellery Publications 2005-08-21

This comprehensive manual covers the complete Holden Commodore range including the Utility, Station Wagon and Statesman models. The first chapter, (Engine tune-up and maintenance÷ guides you through the most basic maintenance and tune-up procedures. It includes all specifications required, regardless of whether you are an owner wishing to change the oil, or a mechanic requiring detailed specifications for tune-up and maintenance. There are comprehensive chapters full of photographs and easy to follow instructions covering the 6Cyl. & V8 Engines, Automatic & Manual Transmissions, Fuel and Engine Management Systems, Brakes, Suspension, Steering, Rear Axle Assembly, Body Electronics, Heating, Interior & Exterior Body etc. There is a dedicated section covering Troubleshooting and Diagnostic Information as well as a comprehensive detailed electrical diagrams. The only manual available covering the complete VT, VX & VY family of vehicles. It is a must have for the D.I.Y. home mechanic through to the trade professionals. This comprehensive manual consists of 492 pages of step by step instructions with over 800 reference diagrams and photographs.

The Shock Absorber Handbook - John C. Dixon 2008-02-28

Every one of the many millions of cars manufactured annually worldwide uses shock absorbers, otherwise known as dampers. These form a vital part of the suspension system of any vehicle, essential for optimizing road holding, performance and safety. This, the second edition of the Shock Absorber Handbook (first edition published in 1999), remains the only English language book devoted to the subject. Comprehensive coverage of design, testing, installation and use of the damper has led to the book's acceptance as the authoritative text on the automotive applications of shock absorbers. In this second edition, the author presents a thorough revision of his book to bring it completely up to date. There are numerous detail improvements, and extensive new material has been added particularly on the many varieties of valve design in the

conventional hydraulic damper, and on modern developments such as electrorheological and magnetorheological dampers. "The Shock Absorber Handbook, 2nd Edition" provides a thorough treatment of the issues surrounding the design and selection of shock absorbers. It is an invaluable handbook for those working in industry, as well as a principal reference text for students of mechanical and automotive engineering. The New York Times Manual of Style and Usage, 5th Edition - Allan M. Siegal 2015-09-29

The premier source for journalists, now revised and updated for 2015. Does the White House tweet? Or does the White House post on Twitter? Can "text" be a verb and also a noun? When should you link? For anyone who writes--short stories or business plans, book reports or news articles--knotty choices of spelling, grammar, punctuation and meaning lurk in every line: Lay or lie? Who or whom? That or which? Is Band-Aid still a trademark? It's enough to send you in search of a Martini. (Or is that a martini?) Now everyone can find answers to these and thousands of other questions in the handy alphabetical guide used by the writers and editors of the world's most authoritative news organization. The guidelines to hyphenation, punctuation, capitalization and spelling are crisp and compact, created for instant reference in the rush of daily deadlines. The 2015 edition is a revised and condensed version of the classic guide, updated with solutions to problems that plague writers in the Internet age: · How to cite links and blogs · How to handle tweets, hashtags and other social-media content · How to use current terms like "transgender," or to choose thoughtfully between "same-sex marriage" and "gay marriage" With wry wit, the authors have created an essential and entertaining reference tool.

Yamaha YZF-R1 1998-2003 - Penton Staff 2000-05-24

Yamaha YZF-R1 1998-2003

Mazda Bongo Friendee Service Manual - JPNZ (Firm) 2006

An Introduction to Numerical Methods and Analysis - James F. Epperson 2013-06-06

Praise for the First Edition ". . . outstandingly appealing with regard to its style, contents, considerations of requirements of practice, choice of examples, and exercises." —Zentrablatt Math ". . . carefully structured with many detailed worked examples . . ." —The Mathematical Gazette ". . . an up-to-date and user-friendly account . . ." —Mathematika An Introduction to Numerical Methods and Analysis addresses the mathematics underlying approximation and scientific computing and successfully explains where approximation methods come from, why they sometimes work (or don't work), and when to use one of the many techniques that are available. Written in a style that emphasizes readability and usefulness for the numerical methods novice, the book begins with basic, elementary material and gradually builds up to more advanced topics. A selection of concepts required for the study of computational mathematics is introduced, and simple approximations using Taylor's Theorem are also treated in some depth. The text includes exercises that run the gamut from simple hand computations, to challenging derivations and minor proofs, to programming exercises. A greater emphasis on applied exercises as well as the cause and effect associated with numerical mathematics is featured throughout the book. An Introduction to Numerical Methods and Analysis is the ideal text for students in advanced undergraduate mathematics and engineering courses who are interested in gaining an understanding of numerical methods and numerical analysis.