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Intelligent Projects Using Python - Santanu Pattanayak 2019-01-31
Implement machine learning and deep learning methodologies to build smart, cognitive AI projects using Python Key FeaturesA go-to guide to help you master AI algorithms and concepts8 real-world projects tackling different challenges in healthcare, e-commerce, and surveillanceUse TensorFlow, Keras, and other Python libraries to

implement smart AI applicationsBook Description This book will be a perfect companion if you want to build insightful projects from leading AI domains using Python. The book covers detailed implementation of projects from all the core disciplines of AI. We start by covering the basics of how to create smart systems using machine learning and deep learning techniques. You will assimilate various

neural network architectures such as CNN, RNN, LSTM, to solve critical new world challenges. You will learn to train a model to detect diabetic retinopathy conditions in the human eye and create an intelligent system for performing a video-to-text translation. You will use the transfer learning technique in the healthcare domain and implement style transfer using GANs. Later you will learn to build AI-based recommendation systems, a mobile app for sentiment analysis and a powerful chatbot for carrying customer services. You will implement AI techniques in the cybersecurity domain to generate Captchas. Later you will train and build autonomous vehicles to self-drive using reinforcement learning. You will be using libraries from the Python ecosystem such as TensorFlow, Keras and more to bring the core aspects of machine learning, deep learning, and AI. By the end of this book, you will be skilled to build your own smart models for tackling any kind of AI problems without any hassle. What

you will learn
Build an intelligent machine translation system using seq-2-seq neural translation machines
Create AI applications using GAN and deploy smart mobile apps using TensorFlow
Translate videos into text using CNN and RNN
Implement smart AI Chatbots, and integrate and extend them in several domains
Create smart reinforcement, learning-based applications using Q-Learning
Break and generate CAPTCHA using Deep Learning and Adversarial Learning
Who this book is for
This book is intended for data scientists, machine learning professionals, and deep learning practitioners who are ready to extend their knowledge and potential in AI. If you want to build real-life smart systems to play a crucial role in every complex domain, then this book is what you need. Knowledge of Python programming and a familiarity with basic machine learning and deep learning concepts are expected to help you get the most out of the book

KUNSTSTOFF-TB,31.A. - Saechtling 2013-09-30

Auch die 31. Auflage des Kunststoff-Taschenbuchs bietet dem Leser wieder - kompakt und kompetent aufbereitet - das gesamte aktuelle Wissen um den Werkstoff Kunststoff, seine Eigenschaften, seine Verarbeitung und seine Anwendung. Dieser Bestseller der deutschsprachigen Kunststoffliteratur erschließt dem Praktiker wie dem Neueinsteiger den aktuellen Stand der Kunststofftechnik mit allen relevanten Neuentwicklungen. Die neue Ausgabe bietet ein gewohnt umfassendes und zuverlässiges Nachschlagewerk, das dem Benutzer Zusammenhänge erläutert, Fachfragen beantwortet und als Ratgeber tägliche Hilfestellung leisten kann. Zum ersten Mal in Farbe! Mit dem Kauf des Werks hat der Leser zudem kostenlosen Zugriff auf das E-Book. Inhalt: Kurzzeichen der Kunststofftechnik Aufbau der Kunststoffe Eigenschaften und Prüfverfahren Kunststoffverarbeitung Werkstoff-

und verarbeitungsgerechte Konstruktion Beschreibung der Kunststoffe Additive, Füllstoffe und Fasern Kunststoffe im Vergleich **Musikhandel** - 2003

Oracle Exadata Survival Guide - David Fitzjarrell 2013-11-11

Describes what Exadata is and its available configurations for such features as smart scans, storage indexes, hybrid columnar compression, and Smart Flash Cache.

Plastics and Ebonite. Determination of Indentation Hardness by Means of a Durometer (Shore Hardness) - British

Standards Institute Staff 2003-04-25

Plastics and rubber technology, Plastics, Ebonite, Polymers, Hardness testing, Hardness testers, Test equipment

Slurry Systems Handbook - Baha Abulnaga 2002-04-29

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. The most comprehensive resource on slurries and slurry systems, covering everything from fluid mechanics to soil classification, pump design to selection criteria Slurries are mixtures of liquids and solid particles of all types. For instance, liquid is used as a way of transporting what you get out of the mine, which might be better than shoveling it into freight cars and carrying it out by train. Slurry systems are fundamental to dredging, many mineral processes, bridge and tunnel construction, and to the manufacturer of synthetic petroleum products from oil sands.

Vstřikování plastů - Zeman Lubomír 2018-05-14 Technologie vstřikování termoplastů je jednou z nejrozšířenějších technologií zpracování plastů se zásadním významem například při výrobě automobilů všech kategorií, v elektrotechnice, elektronice, při výrobě spotřebního a sportovního zboží, v průmyslu obalů atd. Kniha se snaží komplexně popsat celý proces výroby

výstřiků z termoplastů, a to jak v teoretické, tak zejména v praktické rovině, k rozšíření obecného poznání o výrobě předmětů, které jsou námi běžně používány. Publikace navazuje na předchozí vydání z roku 2009 a je určena studentům středních i vysokých škol, technologům, seřizovačům, konstruktérům vstřikovacích forem, manažerům z oblasti vstřikování termoplastů a i všem, kteří se o tuto technologii zajímají. Jednotlivé kapitoly knihy mapují výrobu výstřiků z termoplastů a zabývají se zejména těmito tématy: požadavky kladenými na výstřik, návrhem materiálu výstřiku, designem a konstrukcí výstřiků podle zásad technologičnosti konstrukce výstřiků z termoplastů při zachování jejich jakostních a funkčních vlastností, návrhem zaformování výstřiků, matematickými simulacemi, konstrukcí a výrobou vstřikovacích forem, technologickými parametry vstřikování, s využitím technologických parametrů použitých při simulacích, ožívováním forem, vstřikováním

kompozitních materiálů, technologiemi Rapid Prototypingu, hodnocením jakosti a zkoušením výstřiků, provozem, údržbou a opravami forem, vadami výstřiků a způsoby jejich odstraňování, problematikou měření barvy a lesku výstřiků, emisním a pachovým chováním výstřiků, měřením teploty termokamerami.

Climatological Data, North Carolina - United States. Environmental Data Service 1952

Detroit Suburban West and Downriver Area Telephone Directories - 1981

Plastics - Standard atmospheres for conditioning and testing (ISO 291: 2008) - 2008

Pressure Vessel Handbook - Eugene F. Megyesy 1977

Solar Cells - S. K. Sharma 2020-01-07

This book addresses the rapidly developing class of solar cell materials and designed to provide

much needed information on the fundamental principles of these materials, together with how these are employed in photovoltaic applications. A special emphasize have been given for the space applications through study of radiation tolerant solar cells. This book present a comprehensive research outlining progress on the synthesis, fabrication and application of solar cells from fundamental to device technology and is helpful for graduate students, researchers, and technologists engaged in research and development of materials.

Dark Trading - Anna-Carina Salger 2020-01-20

This book explores the pressing topic of dark trading. Following new EU legislation regulating financial markets (MiFID II and MiFIR), it traces the development of off-market securities trading ("dark trading"), analyzes economic studies of this development, and positions the resulting regulatory framework of the EU over against that of the US. The study closes with proposals for reform that provide new impetus for further

academic discussion.

Environmental Biotechnology - Jeyabalan Sangeetha 2016-10-14

With focus on the practical use of modern biotechnology for environmental sustainability, this book provides a thoughtful overview of molecular aspects of environmental studies to create a new awareness of fundamental biological processes and sustainable ecological concerns. It covers the latest research by prominent scientists in modern biology and delineates recent and prospective applications in the sub-areas of environmental biotechnology with special focus on the biodegradation of toxic pollutants, bioremediation of contaminated environments, and bioconversion of organic wastes toward a green economy and sustainable future.

The Age of Addiction - David T. Courtwright 2019-05-06

We live in an age of addiction, from compulsive gaming and shopping to binge eating and opioid

abuse. What can we do to resist temptations that insidiously and deliberately rewire our brains? Nothing, David Courtwright says, unless we understand the global enterprises whose “limbic capitalism” creates and caters to our bad habits.

Advanced Manufacturing and Automation VIII - Kesheng Wang 2018-12-14

This proceeding is a compilation of selected papers from the 8th International Workshop of Advanced Manufacturing and Automation (IWAMA 2018), held in Changzhou, China on September 25 - 26, 2018. Most of the topics are focusing on novel techniques for manufacturing and automation in Industry 4.0 and smart factory. These contributions are vital for maintaining and improving economic development and quality of life. The proceeding will assist academic researchers and industrial engineers to implement the concepts and theories of Industry 4.0 in industrial practice, in order to effectively respond to the challenges posed by the 4th industrial revolution and smart

factory.

Protein Misfolding, Aggregation and Conformational Diseases - Vladimir N. Uversky
2007-05-26

The second volume continues to fill the gap in protein review and protocol literature. It does this while summarizing recent achievements in the understanding of the relationships between protein misfoldings, aggregation, and development of protein deposition disorders. The focus of Part B is the molecular basis of differential disorders.

Form- und Lagetoleranzen von Kunststoff-Formteilen - Martin Bohn 2020-09-25

Die neue Ausgabe 2019 der DIN ISO 20457 "Kunststoff-Formteile - Toleranzen und Abnahmebedingungen" wird demnächst die bislang geltende, gleichnamige DIN 16742:2013-10 ablösen. Dieser Leitfaden stellt anwenderorientiert die beiden Normen gegenüber, stellt Geometrielemente mit Allgemeintoleranz vor und gibt Beispiele zur

Ermittlung der Toleranzklasse.

The Serengeti Rules - Sean B. Carroll
2017-03-07

Now the subject of a feature film that the New York Times calls "spellbinding" How does life work? How does nature produce the right numbers of zebras and lions on the African savanna, or fish in the ocean? How do our bodies produce the right numbers of cells in our organs and bloodstream? In *The Serengeti Rules*, award-winning biologist and author Sean Carroll tells the stories of the pioneering scientists who sought the answers to such simple yet profoundly important questions, and shows how their discoveries matter for our health and the health of the planet we depend upon. One of the most important revelations about the natural world is that everything is regulated—there are rules that regulate the amount of every molecule in our bodies and rules that govern the numbers of every animal and plant in the wild. And the most surprising revelation about the rules that

regulate life at such different scales is that they are remarkably similar—there is a common underlying logic of life. Carroll recounts how our deep knowledge of the rules and logic of the human body has spurred the advent of revolutionary life-saving medicines, and makes the compelling case that it is now time to use the Serengeti Rules to heal our ailing planet. A bold and inspiring synthesis by one of our most accomplished biologists and gifted storytellers, *The Serengeti Rules* is the first book to illuminate how life works at vastly different scales. Read it and you will never look at the world the same way again.

Trees of Delhi - Pradip Krishen 2006

Critical Neuroscience and Philosophy - David Låg Tomasi 2021-02-14

This book presents an analysis of the correlation between the mind and the body, a complex topic of study and discussion by scientists and philosophers. Drawing largely on neuroscience

and philosophy, the author utilizes the scientific method and incorporates lessons learned from a vast array of sources. Based on the most recent cutting-edge scientific discoveries on the Mind-Body problem, Tomasi presents a full examination of multiple fields related to neuroscience. The volume offers a scientist-based and student-friendly journey into medicine, psychology, artificial intelligence, embodied cognition, and social, ecological and anthropological models of perception, to discover our truest self.

Environment, Trade and Society in Southeast Asia - David Henley 2015

"Eleven historians bring their knowledge and insights to bear on the long Braudelian sweep of Southeast Asian history. In doing so they seek both to debunk simplistic assumptions about fragile traditions and transformational modernities, and to identify real repeating patterns in Southeast Asia's past: clientelistic political structures, periodic tectonic and

climatic disasters, ethnic occupational specializations, long cycles of economic globalization and deglobalization. Their contributions range across many centuries: from the Austronesian expansion to the Aceh tsunami, and from the Sanskrit cosmopolis to the Asian financial crisis. The book is inspired by, and dedicated to, Peter Boomgaard, a scholar whose work has embodied the Braudelian spirit in Southeast Asian historiography"--

Practical Injection Molding - Bernie A. Olmsted
2001-03-14

This work focuses on the factors critical to successful injection moulding, including knowledge of plastic materials and how they melt, the importance of mould design, the role of the screw, and the correct use of the controls of an injection moulding machine. It seeks to provide operating personnel with a clear understanding of the basics of injection moulding.
Österreichischer Markenanzeiger - 1907

Maschinenbau - Werner Skolaut 2018-08-13
„Alles aus einer Hand“; Dieses vierfarbige Lehrbuch bietet in einem Band ein lebendiges Bild des gesamten Maschinenbaus. Studierende finden das im Bachelor-Studium behandelte Wissen ausführlich und anhand vieler Beispiele erklärt. Im Mittelpunkt steht das Verständnis der Zusammenhänge zwischen den Fachgebieten. Herausragende Merkmale sind: - Alle Grundlagenfächer in einem Band - Vierfarbiges Layout mit mehr als 1500 Abbildungen - Ein Leitbeispiel führt durch das gesamte Buch - Übersichtsboxen verdeutlichen Zusammenhänge und Methoden - Verständnisfragen ermöglichen die Lernkontrolle beim Lesen - Farbige Merkkästen heben das Wichtigste hervor - Jedes Kapitel enthält Rechenaufgaben und Kurzlösungen - Anwendungs- und Beispielboxen erklären schwierige Themen - Vertiefungsboxen erläutern Hintergründe - Bonusmaterial auf der Homepage Inhaltlich spannt sich der Bogen von

der Technischen Mechanik über die Thermodynamik und Strömungslehre, die Werkstoffkunde, die Maschinenelemente und die Fertigungstechnik bis hin zur Elektrotechnik und Regelungstechnik. In der zweiten Auflage wurden; zukunftsweisende Themen wie geometrische Produktspezifikationen, additive Fertigungstechniken, Industrie 4.0 und Energiespeicher erweitert und weitere Aufgaben aufgenommen. Auf der Homepage zum Buch sind die Lösungen zu den Rechenaufgaben und das Bonusmaterial zu finden. „Das Lehrbuch Maschinenbau begeistert durch seine vielen Abbildungen, aktuellen Beispiele und lebendigen Formulierungen. Der rote Faden in Form des Antriebsstranges eines modernen Automobils sowie die aufeinander abgestimmten Verständnisfragen und Vertiefungsboxen machen das Buch zu einer angenehmen Lektüre. Hier wird deutlich, dass beim Leser Interesse geweckt und er spielerisch an die Lehrthemen herangebracht wird.“ Prof. Dr.-Ing. P.U.

Thamsen, TU Berlin

Computational Peptide Science - Thomas

Simonson 2022-03-18

This volume details current and new computational methodologies to study peptides. Chapters guide readers through antimicrobial peptides, foldability, amyloid sheet formation, membrane-active peptides, organized peptide assemblies, protein-peptide interfaces, prediction of peptide-MHC complexes, advanced free energy simulations for peptide binding, and methods for high throughput peptide or miniprotein design. Written in the format of the highly successful *Methods in Molecular Biology* series, each chapter includes an introduction to the topic, lists necessary materials, software, and reagents, includes tips on troubleshooting and known pitfalls, and step-by-step, readily reproducible protocols. *Authoritative and cutting-edge, Computational Peptides Science: Methods and Protocols* aims to provide concepts, methods, and guidelines to help both novices

and experienced workers benefit from today's new opportunities and challenges.

The Crisis of the 14th Century - Martin Bauch
2019-12-16

Pre-modern critical interactions of nature and society can best be studied during the so-called "Crisis of the 14th Century". While historiography has long ignored the environmental framing of historical processes and scientists have over-emphasized nature's impact on the course of human history, this volume tries to describe the at times complex modes of the late-medieval relationship of man and nature. The idea of 'teleconnection', borrowed from the geosciences, describes the influence of atmospheric circulation patterns often over long distances. It seems that there were 'teleconnections' in society, too. So this volume aims to examine man-environment interactions mainly in the 14th century from all over Europe and beyond. It integrates contributions from different disciplines on

impact, perception and reaction of environmental change and natural extreme events on late Medieval societies. For humanists from all historical disciplines it offers an approach how to integrate written and even scientific evidence on environmental change in established and new fields of historical research. For scientists it demonstrates the contributions scholars from the humanities can provide for discussion on past environmental changes.

Process-Structure-Properties in Polymer Additive Manufacturing - Swee Leong Sing
2021-09-01

Additive manufacturing (AM) methods have grown and evolved rapidly in recent years. AM for polymers is an exciting field and has great potential in transformative and translational research in many fields, such as biomedical, aerospace, and even electronics. Current methods for polymer AM include material extrusion, material jetting, vat polymerisation, and powder bed fusion. With the promise of

more applications, detailed understanding of AM—from the processability of the feedstock to the relationship between the process–structure–properties of AM parts—has become more critical. More research work is needed in material development to widen the choice of materials for polymer additive manufacturing. Modelling and simulations of the process will allow the prediction of microstructures and mechanical properties of the fabricated parts while complementing the understanding of the physical phenomena that occurs during the AM processes. In this book, state-of-the-art reviews and current research are collated, which focus on the process–structure–properties relationships in polymer additive manufacturing.

User's Guide to Plastic - Ulf Bruder
2019-07-08

Many technical books about plastics are too theoretical and difficult to read. The intention of this book is to offer something completely

different: it is easy to read with many examples taken from everyday life. It is suitable for readers at secondary school and university levels, and can be used for training activities in industry as well as for self-studies. Included are over 600 color images to illustrate the wide variety of plastics and process workflows used today. The book also contains a number of computer-based tools that can be downloaded from the author's website. With comprehensive coverage, this is probably the most versatile plastics handbook ever written! New in the second edition are much-expanded content (new chapter) on extrusion, new color figures, a new layout, and corrections throughout. A bonus download of working Excel tools is provided to supplement the book content.

International Plastics Handbook - Tim A. Osswald
2006-01-01

Sustainable Agriculture Reviews - Eric Lichtfouse
2015-08-14

Sustainable agriculture is a rapidly growing field aiming at producing food and energy in a sustainable way for humans and their children. Sustainable agriculture is a discipline that addresses current issues such as climate change, increasing food and fuel prices, poor-nation starvation, rich-nation obesity, water pollution, soil erosion, fertility loss, pest control and biodiversity depletion. Novel, environmentally-friendly solutions are proposed based on integrated knowledge from sciences as diverse as agronomy, soil science, molecular biology, chemistry, toxicology, ecology, economy and social sciences. Indeed, sustainable agriculture decipher mechanisms of processes that occur from the molecular level to the farming system to the global level at time scales ranging from seconds to centuries. For that, scientists use the system approach that involves studying components and interactions of a whole system to address scientific, economic and social issues. In that respect, sustainable agriculture is

not a classical, narrow science. Instead of solving problems using the classical painkiller approach that treats only negative impacts, sustainable agriculture treats problem sources. Because most actual society issues are now intertwined, global and fast-developing, sustainable agriculture will bring solutions to build a safer world.

Variation Risk Management - Anna C. Thornton
2003-11-05

"A thoughtful, complete, and very readable approach to robust engineering. It presents insights that correlate with those learned at Ford while developing and executing Design for Six Sigma. Having this book three years ago could've helped with that effort."-David Amos, DFSS Deployment Director, Ford Motor Company
Written by Anna C. Thornton, the well-known author who coined the phrase "variation risk management," this comprehensive book presents new methods and implementation strategies based on her research of industry

practices and her personal experience with such companies as The Boeing Company, Eastman Kodak Company, Ford Motor Company, Johnson & Johnson, and many others. Step-by-step guidelines show how you can implement and apply variation risk management to real-world problems within the existing systems of an organization.

Food Analysis - Yeshajahu Pomeranz 1994

Section I: Searching the literature; Sampling; Preparation of samples; Reporting results and reliability of analyses. Section II: Methods and instrumentation: theory of spectroscopy; Visible and ultraviolet regions; Measurement of color; Fluorimetry; Infrared spectroscopy; Flame photometry and atomic absorption; X rays methods; Potentiometry; Coulometry; Conductivity; Electrophoresis; Capillary zone electrophoresis; Mass spectroscopy; Nuclear magnetic resonance; Radioactivity and counting techniques; Column chromatography, size exclusion, and ion exchange; High-performance

liquid chromatography and ion chromatography; Paper and thin-layer chromatography; Gas-liquid chromatography; Extraction; Centrifugation; Densimetry; Refractometry and polarimetry; Rheology; Serology, immunochemistry and immunoelectrophoresis; Enzymatic methods; Analytical microbiology.; Thermal analysis of foods. Section III: General remarks and chemical composition: general remarks; determination of moisture; Ash and mineral components; Carbohydrates; Lipids; Nitrogenous compounds; Objective versus evaluation of foods.

National Forest Inventories - Claude Vidal
2016-11-24

The book presents the current state and good practices of national forest inventories in monitoring wood resources and demonstrates pathways for harmonisation and improved common reporting. Beyond a general overview over availability and use of wood resources in different countries, it provides a unique collection of original contributions from national

forest inventory experts with in-depth descriptions of current NFI methods in assessing wood availability and wood use in European countries, and selected countries from America and Asia. The main topics are national definitions and improvements in common reporting of forests available for wood supply, stem quality and assortments, estimation of change including growth and drain, and tree resources outside forest land. The book is a must-have for everyone who is contributing to national forest inventories either methodologically or operatively, for people who want or need to understand national forest inventory provided data and information on the availability of wood resources. By providing profound knowledge it is a valuable basis for scientists involved in scenario modelling and analysing effects of climate change, as well as individuals in private organisations and public administrations promoting the sustainable use of natural resources and the potential of green economy.

The Economic Geology of Iran - Mansour Ghorbani 2013-03-27

The Economic Geology of Iran is a complete and comprehensive book about mineral deposits, energy and water resources of Iran. Dr. Mansour Ghorbani has travelled to each of the huge variety of locations that feature the resources covered, personally verifying the details of them all. The book starts by describing the geography and physiography of Iran as well as its various climatic regions and the diverse corresponding vegetation. Then the book gives an excellent overview of the geology of the country, followed by the history of mining in Iran up to now. The author describes also the metallogenic and mineralization phases of Iran, its mineral zones and belts, and, more generally, the distribution of mineral deposits in the country. Dr. Ghorbani gives us also an analysis of the position of Iran in terms of global mineral resources, as well as the role that the country's mineral, energy and natural resources play in its overall economy.

The book finishes with also provides a complete list of Iranian mineral deposits. This book is a perfect source of information for all students and researchers in the field of geo-science at the university level but also for mining and oil companies that would like to work, invest and get involved in such businesses in Iran.

Valley of the Queens Assessment Report - Martha Demas 2017-07-15

The Valley of the Queens Project is a collaboration of the Supreme Council of Antiquities and the Getty Conservation Institute from 2006-2011. The project involved comprehensive research, planning and assessment culminating in the development of detailed plans for conservation and management of the site. Volume 2 of the report is the condition summary of the 111 tombs from the 18th, 19th, and 20th Dynasties in the Valley of the Queens. This includes a summary of tomb architectural development, the geological and hydrological context, wall painting technique

and condition assessment of the paintings and structural stability of the tombs.

Looptail - Bruce Poon Tip 2013-09-24

Can a company be cool, socially responsible ... and still make money? Welcome to the looptail. This is the extraordinary true story of Bruce Poon Tip and how, with nothing more than two credit cards and a burning desire to create an authentic, sustainable travel experience like nothing the world had ever seen, he created G Adventures, the world's most successful adventure travel company. G Adventures operates in more than 100 countries, on all seven continents, serves more than 100,000 customers every year - and is now a significant player in Australia. In this unique first-person account, Poon Tip reveals his unusual management secrets that allowed him to keep growing his company, his employees fully engaged and energised, and his customers extremely happy. This is a singularly stunning story of why community, culture and karma

matter in business, and how one man's desire to do the right thing and generate profits can be blended into a win-win for all involved. In this special Australian edition, Bruce Poon Tip writes about the unique experiences and lessons learned which have fuelled the growth of his Australian business, and also about how Australia really could be better at presenting itself to the world's travellers.

www.gadventures.com.au

Legal and Judicial Ethics - Ruben E. Agpalo
2020

Daily Series, Synoptic Weather Maps -
United States. Weather Bureau 1957

Handbook of Molded Part Shrinkage and Warpage - Jerry Fischer 2012-12-31

How easy life would be if only moldings were the same size and shape as the mold. But they never are, as molders, toolmakers, designers and end users know only too well. Shrinkage means that

the size is always different; warpage often changes the shape too. The effects are worse for some plastics than others. Why is that? What can you do about it? The Handbook of Molded Part Shrinkage and Warpage is the first and only book to deal specifically with this fundamental problem. Jerry Fischer's Handbook explains in plain terms why moldings shrink and warp, shows how additives and reinforcements change the picture, sets out the effect of molding process conditions, and explains why you never can have a single 'correct' shrinkage value. It goes on to demonstrate how to alleviate the problem through careful design of the molded part and the mold, and by proper material selection. It also examines computer-aided methods of forecasting shrinkage and warpage. And most important of all, the Handbook gives you the data you need to work with. .

Authoritative and rooted in extensive industrial experience, the expert guidance contained in this handbook offers practical understanding to

novices, and new insights to readers already skilled in the art of injection molding and mold making. Contains the answers to common problems and detailed advice on how to control

mold and post-mold shrinkage and warpage. Case Studies illustrate and enrich the text; Data tables provide the empirical data that is essential for success, but hard to come by.