Library Reading Guidance

DaLian Nationalities University Library

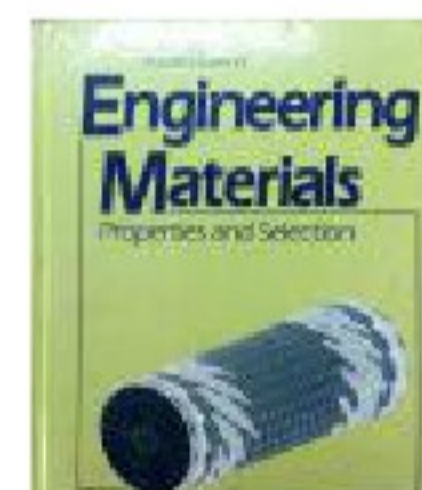## Engineering Materials: Properties and Selection

Fourth Edition

Kenneth G. Budinski

The Fourth Edition of *Engineering Materials: Properties and Selection* represents the most comprehensive and up-to-date single volume covering the properties and selection of all of the major engineering materials.

Author Kenneth G. Budinski offers comprehensive, easy-to-understand discussions of all materials systems, including metals, plastics ceramics, and composites. He discusses properties, selection, and failure prevention and lists a repertoire of materials that will meet most design needs at the end of each chapter.
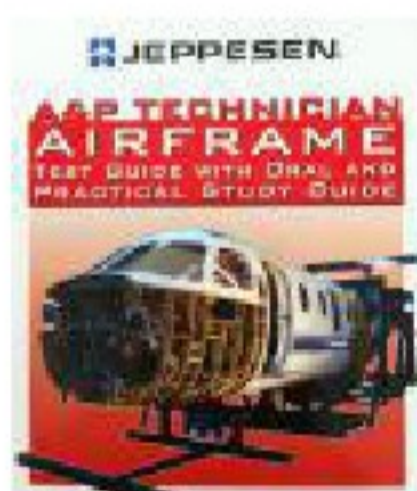
Features:

• Updates and expands the coverage of plastics with two additional chapters that explore the properties and selection of recently developed plastics.

• Incorporates new information on state-of-the-art engineering applications of ceramics.

• Provides updated guidelines for how and when to effectively use computer databases on engineering materials.

• Integrates the latest information on the environmental concerns related to engineering materials, including the recycling of plastics.

• Expands coverage of plating to include thermal spray and physical vapor deposition.

A &P Technician Airframe:

Test Guide With Oral and Practical Study Guide

Comprehensively revised and updated, **Jeppesen's *A &P Technician Test Guides*** are an invaluable resource for anyone preparing for the FAA Aviation General, Airframe, or Powerplant Mechanic Airmen Knowledge tests. Also included The Oral and Practical Study Guide which serves as an excellent source when preparing for your FAA oral and practical exam.

Test Guides include:

• FAA mechanic questions.

• FAA figures and graphs.

• Answers and explanations.

• Chapter and section references.

Oral and Practical Study Guide includes:
- Requirements for mechanic certification.
- O&P test information. Procedures, and resources.
- How to prepare for, apply for, and take the exam.
- Sample oral questions, answers, and resources.
- Sample practical projects with skill level and performance standards.

For a current list of FAA question updates, explanations, and cross references, visit www.jeppesen.com.

Engineering Trouble: Biotechnology and Its Discontents

Edited by Rachel A. Schurman and Dennis Doyle Takahashi Kelso

Engineering Trouble addresses an important and timely issue of significant interest so social scientists and policy makers. The authors cover the range of political, economic, social, and moral forces which are both shaping and being shaped by this new technology. Talk of genetically engineered organisms (GEOs) has moved from the hushed corridors of life science corporations to the front pages of the world's major newspapers. As Europeans began rejecting genetically engineered foods in the marketplace, the Starlink corn incident exploded in the United States and farmers set fire to genetically modified crops in India. Citizens and consumers have become increasingly aware of and troubled by the issues surrounding these new technologies.

Considering cases from agriculture, food, forestry, and pharmaceuticals, this book examines some of the most pressing questions raised by genetic engineering. What determines whether GEOs enter the food supply, and how are such decisions being made? How is the biotechnology industry using its power to reshape food, fiber, and pharmaceutical production, and how are citizen-activists challenging these initiatives? And what are the social and political consequences of global differences over GEOs?

Public Policies for Environmental Protection

Editor by Paul R. Portney

This book covers new reasons to take a fresh look at U.S. environmental policy. In *Public Policies for Environmental Protection*, Portney and his coauthors take a new look at the issues, progress, and problems in environmental regulation from the changed perspective of the late 1980s. Such a review is timely: improvements in air and water quality and the regulation of hazardous wastes and toxic substances have been slow and expensive, and new developments have affected policy—among them passage of the Superfund Act, awareness of new environmental problems, and major shifts in the focus of environmental concerns.

With particular emphasis on the role of economics and the ways by which the benefits and

costs of environmental policy may be measured, the authors address five major areas of environmental concern: air pollution policy, water pollution policy, hazardous wastes, toxic substance, and monitoring and enforcement of compliance with regulations.

In each of these areas, legislative and regulatory measures taken to address the problem are reviewed, accomplishments since the 1970s are analyzed and evaluated, and recommendations are made. The conclusion assesses the overall effectiveness of environmental regulation through mid-1989, and identifies three recent trends likely to influence future environmental policy—environmental federalism , the withering of administrative discretion, and growing ozone layer as transnational problems.

README.1ST:

SGML for Writers and Editors

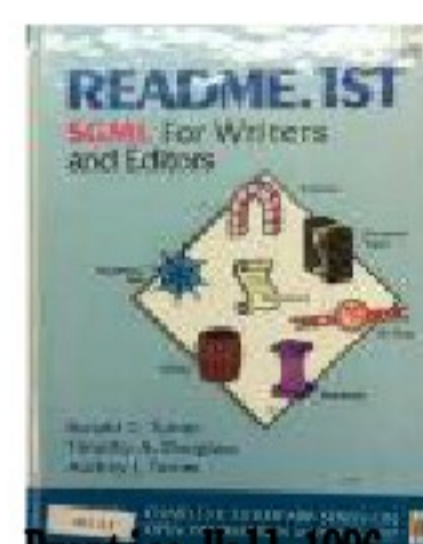### Ronald C. Turner, Timothy A. Douglass, Audrey J. Turner

The Standard Generalized Markup Language (SGML) is rapidly emerging as the single most important and powerful tool for the creation of "smart documents." These dynamically formatted files can be presented on paper or on screen; via CD—ROM; or electronically over networks and the Internet's World Wide Web. Smart documents can also be used and reused across multiple hardware and software platforms.

Businesses and governments around the world are using SGML today to protect their investments in their most strategic asset—information base. SGML is revolutionized the world of documents in exactly the same way that relational database technology (RDBMS) revolutionized the world of data management.

README.1ST is the first guide to SGML specifically created for non-technical end users. Whether you are a writer or editor who needs to understand the basics, a manager considering deploying SGML, or an implementor looking for hands-on instruction, *README.1ST* addresses your needs in language you can understand.

README.1ST takes you through the basic of standards and structure, then leads you step-by-step through the development of an SGML document. You learn about markup tags, entities, attributes, and marked sections. In addition, you learn how to read and customize a Document Type Definition (DTD).

README.1ST covers hypertext, hypermedia, and authoring for the World Wide Web, explaining how these applications relate to the basics of SGML. Appendices include a glossary of SGML terms and the actual SGML markup of a chapter from this book.
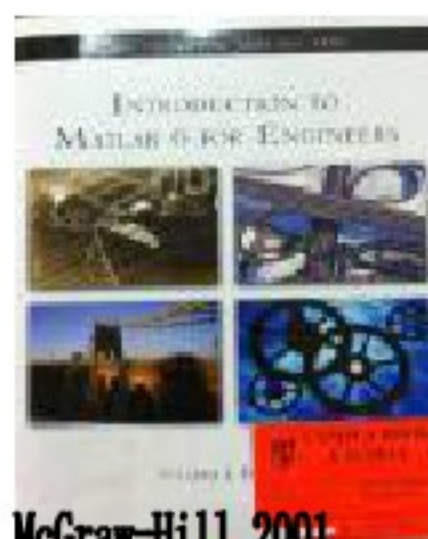
Introduction to MATLAB 6 for Engineers

William J. Palm III

MATLAB is available for MS Windows and Macintosh personal computers and for several other operating systems. It is compatible across all these platforms, which enables users to share

their programs, insights, and ideas.

This text is tended as a stand-alone introduction to MATLAB. It can be used in an introductory course, as a self-study text, or as a supplementary text. The text's material is based on the author's experience in teaching a required two-credit semester course devoted to MATABLE for engineering freshmen. In addition, the text can serve as a reference for later use. The text's many tables, and its referencing system in an appendix and at the end of each chapter, have been designed with this purpose in mind.

A secondary objective is to introduce and reinforce the use of problem-solving methodology as practiced by the engineering profession in general and as applied to the use of computers to solve problems in particular. This methodology is introduced in Chapter 1.

The reader is assumed to have some knowledge of algebra and trigonometry; knowledge of calculus is not required for the first seven chapters. Some knowledge of high school physics, primarily simple electrical circuits, and basic statics and dynamics is required to understand some of the example.
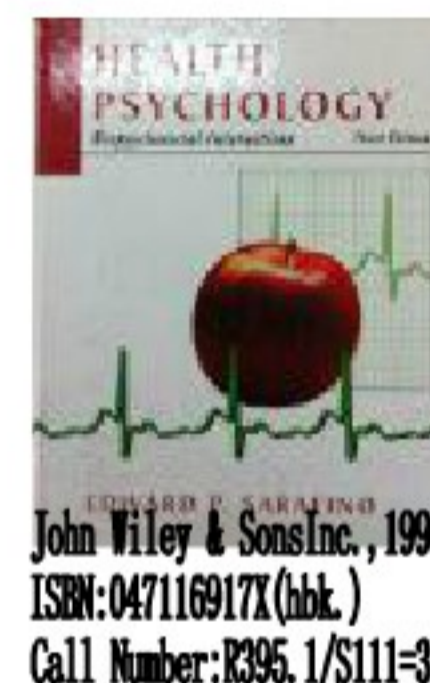
Health Psychology:

Biopsychosocial Interactions

Third Edition

Edward P. Sarafino

Edward Sarafino's best-selling health psychology text draws from the current research and theories of many disciplines to describe how psychology and health are interconnected using the biopsychosocial model to synthesize all the information together into a straightforward text. While maintaining the widely praised organization and pedagogy or earlier editions, the author updated each chapter. Some of the many topics which have been expanded include the following: the coverage of age, gender, and sociocultural differences in health and health promotion, AIDS prevention, psychoneuroimmunology, and methods of coping. Contemporary and

comprehensive information, a variety of interesting readings and activities, and the author's effective narrative continue to engage students in the ever-changing area of health psychology. Here are some reviewer's' thoughts about *Health Psychology* 3rd edition:

Dr. Sarafino tells a great story. He makes very complex experimental designs understandable and describes complicated physiological processes in a clear and engaging manner.

The author writes in an engaging style and the student is likely to feel that the author speaks directly to the reader. The material is presented in a scholarly manner without overwhelming the reader.

Sarafino's textbook is the best textbook out there, when compared with the other bestsellers in the field. Sarafino's coverage is more comprehensive than the others, and his narrative is better.