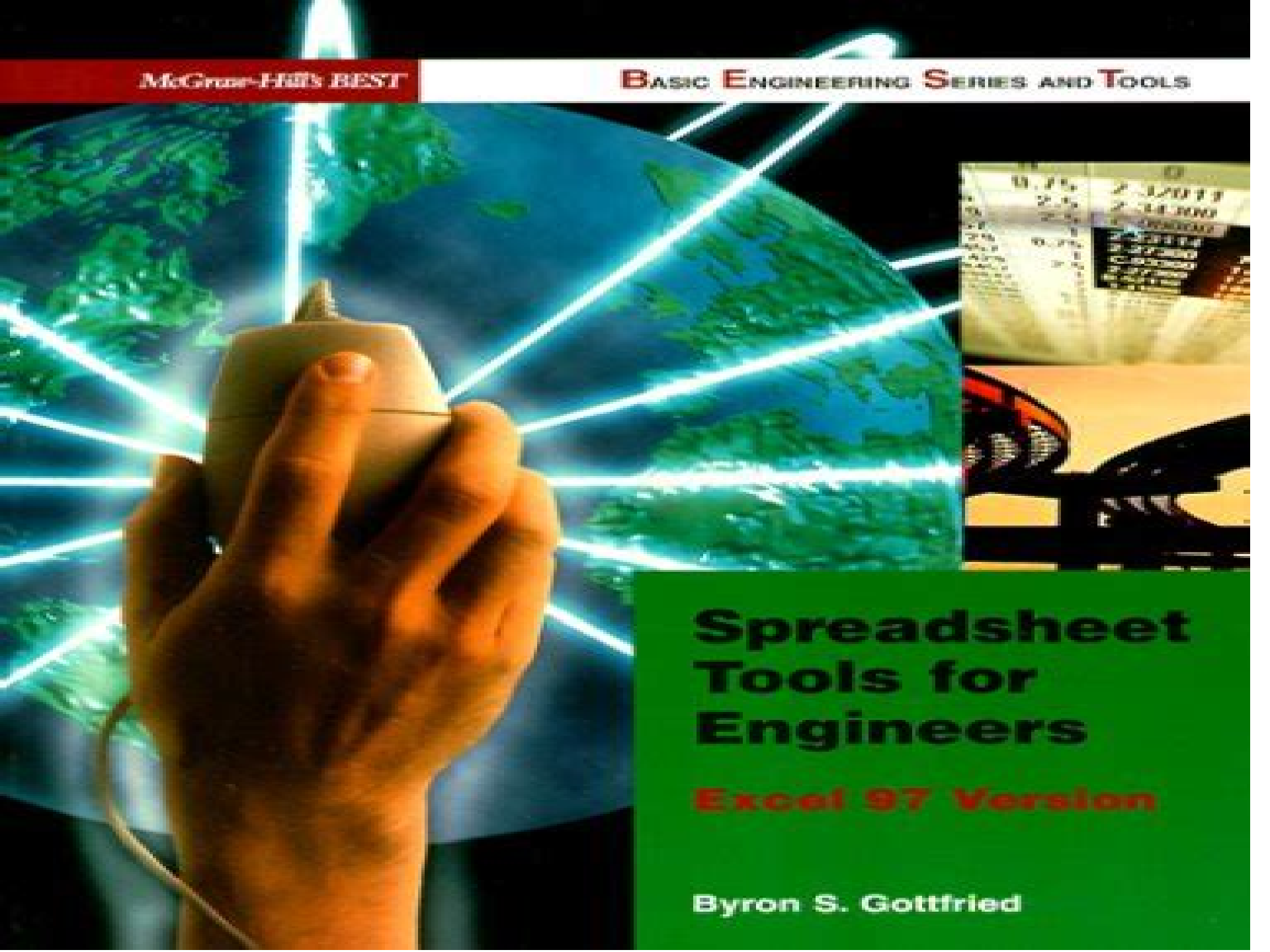


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Applied Process Design for Chemical and Petrochemical Plants A. Kayode Coker, 2011-08-30 This complete revision of *Applied Process Design for Chemical and Petrochemical Plants* Volume 1 builds upon Ernest E. Ludwig's classic text to further enhance its use as a chemical engineering process design manual of methods and proven fundamentals. This new edition includes important supplemental mechanical and related data nomographs and charts. Also included within are improved techniques and fundamental methodologies to guide the engineer in designing process equipment and applying chemical processes to properly detailed equipment. All three volumes of *Applied Process Design for Chemical and Petrochemical Plants* serve the practicing engineer by providing organized design procedures, details on the equipment suitable for application, selection, and charts in readily usable form. Process engineers, designers, and operators will find more chemical/petrochemical plant design data in Volume 2, Third Edition, which covers distillation and packed towers, as well as material on azeotropes and ideal/non-ideal systems. Volume 3, Third Edition, which covers heat transfer, refrigeration systems, compression, surge drums, and mechanical drivers. A. Kayode Coker is Chairman of Chemical Process Engineering Technology department at Jubail Industrial College in Saudi Arabia. He is both a chartered scientist and a chartered chemical engineer for more than 15 years and an author of *Fortran Programs for Chemical Process Design Analysis and Simulation*, Gulf Publishing Co, and *Modeling of Chemical Kinetics and Reactor Design*, Butterworth-Heinemann. Provides improved design manuals for methods and proven fundamentals of process design with related data and charts. Covers a complete range of basic day-to-day petrochemical operation topics with new material on significant industry changes since 1995. [Structural Analysis of Historical Constructions - 2 Volume Set](#) Claudio Modena, P.B. Lourenço, P. Roca, 2018-10-30 *Structural Analysis of Historical Constructions* contains about 160 papers that were presented at the IV International Seminar on Structural Analysis of Historical Constructions that was held from 10 to 13 November 2004 in Padova, Italy. Following publications of previous seminars that were organized in Barcelona, Spain, 1995 and 1998, and Guimarães, Portugal, 2001, state-of-the-art information is

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Spreadsheets in Science and Engineering Gordon Filby, 2013-12-18 Spreadsheets in Science and Engineering shows scientists and engineers at all levels how to analyze validate and calculate data and how the analytical and graphic capabilities of spreadsheet programs ExcelR can solve these tasks in their daily work The examples on the CD ROM accompanying the book include material of undergraduate to current research level in disciplines ranging from chemistry and chemical engineering to molecular biology and geology

The Engineering Student Survival Guide Krista Donaldson, 2002 What this book is about is how to learn as much as you can get good grades and still have fun while pursuing an engineering degree You will find strategies to ace tests learn to love your computer in times of cybercrisis land most agreeable internships and pull through end of the quarter slams in ways that are specific to engineers

Introduction to Engineering Design and Problem Solving M. David Burghardt, 1999 Aimed at helping new engineering students gain a better perspective on engineering this book draws particular attention to the creative aspects of engineering design that go hand in hand with the rigors of analysis

Introduction To Engineering Design and Problem Solving Arvid Eide, 2001-08-08 The book is conveniently divided into two major sections The first an introduction to engineering begins with a description and breakdown of the engineering profession Material concerning most disciplines in engineering is included in this section Engineering design is also introduced in this section providing an opportunity to investigate the essence of engineering in a holistic manner The second major section processing engineering data includes the essentials required in preparing for any engineering curriculum It covers for example problem solving procedures including solving open ended problems engineering estimations dimensions and units including both customary and SI units

Heat Transfer Tools Robert J. Ribando, 2002 Heat Transfer Tools with CD ROM is the first resource to effectively link project based learning to introductory Heat Transfer courses This effective software package offers multiple projects developed to provide students with a new dimension in exploring design and working with open ended problems The CD ROM included with the text offers assorted project work in a combination of spreadsheet formats Visual Basic executables Windows help files and Fortran dll files The interface is intuitive providing graphics and boxes for inputting math information for each project and leading

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Engineering Your Future William C. Oakes, Les L. Leone, Merle C. Potter, 2001

Spreadsheet Tools for Engineers Using Excel © 2007 Byron S. Gottfried, 2009-01-22 This practical text is a perfect fit for introductory engineering courses by successfully combining an introduction to Excel fundamentals with a clear presentation on how Excel can be used to solve common engineering problems Updated to ensure compatibility with Excel 2007 Spreadsheet Tools for Engineers Using Excel 2007 provides beginning engineering students with a strong foundation in problem solving using Excel as the modern day equivalent of the slide rule As part of McGraw Hill's BEST series for freshman engineering curricula this text is particularly geared toward introductory students The author provides plenty of background information on technical terms and provides numerous examples illustrating both traditional and spreadsheet solutions for a variety of engineering problems The first three chapters introduce the basics of problem solving and Excel fundamentals Beyond that the chapters are largely independent of one another Topics covered include graphing data unit conversions data analysis interpolation and curve fitting solving equations evaluating integrals creating macros and comparing economic alternatives

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