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Flex is the quickest and most effective technology for the creation of Rich Internet Applications for the Web. Its extensive library of components and totally customizable framework, combined with the ubiquity of Flash Player, has guaranteed its success. The ecosystem of products that rotate around Flex 2 and Flex 3 is really broad. Flex Builder, Flex SDK, and Charting Components are all essential parts of the technology that fit the different requirements of web development. This enormous set of possibilities can easily lead to information overload for developers like you. There's just too much to learn and too many potential places to go when you hit a brick wall. Wouldn't it be nice to have a library of solutions to solve these problems quickly and easily? This book provides just that, with more than 100 solutions to common problems in one handy volume. Flex Solutions: Essential Techniques for Flex 2 and Flex 3 Developers faces problems and provides solutions that can be applied to any project, from the most simple to the most complex. The solutions range from customizing Flex components with ActionScript 3.0, using the data models and the ActionScript classes as Value objects, validating and formatting data, using RPC classes to access remote data, to optimizing data-exchange performance using AMF3. Solutions are also provided for enhancing the security of Flex applications, and techniques are offered for optimizing the actual work environment by increasing the performance of Flex Builder, adding video content, and creating an AIR project to bring your web application onto the desktop. If you want to learn about and start to develop rich Internet applications in a short time, being immediately productive and mastering the Flex development techniques, Flex Solutions: Essential Techniques for Flex 2 and 3 Developers is the book you need. Discover real-world solutions for everyday Flex development, saving hours of development time Learn how to customize and extend the Flex Components Model and design and program the look and feel of your Flex applications Learn best practices and tips from a Flex expert for structuring the architecture of Flex applications Use the Flex Remote Procedure Classes to connect to remote data with HTTPServices and the Java Platform, PHP, ColdFusion, WebServices, and RemoteObject Use Flex 3 features such as the AdvancedDataGrid component and the Charting Enhancements feature Port your rich Internet applications onto the desktop with Adobe AIR What you'll learn Tips on using Flex components How to validate and format data How to manage complex data Filtering, sorting and using cursors on data with collection classes How to consume Web Services using RPC components How to display data using list-based controls How to effectively compile and deploy Flex applications How to customize the look and feel of your applications How to make your applications more secure How to become more efficient in using the Flex Builder IDE Unique tricks such as calculating memory usage, making your Flex application into an active desktop, and customizing states How to use the ColdFusion Extensions for Flex Builder How to interface your Flex applications with server-side code written in PHP, Java, Rails, and ColdFusion Working with Flex in enterprise environment using the Flex Data Services, Java Remote Object and AMFPHP Who this book is for This book is for any Flex 2 or Flex 3 developer who is comfortable with the basics and wants to take their knowledge further with quick fire solutions to common problems. Please note that some of the solutions contained in this book require the Flex Builder 3 Professional release of the software. This book contains all 344 problems that were originally published in the 19th century journal, The Mathematical Visitor, classified by subject. Little-known to most mathematicians today, these problems represent lost treasure from mathematical antiquity. All solutions that were originally published in the journal are also included. Fluorine Chemistry for Organic Chemists consists of 105 examples of surprising reactions. The reactions are shown as problems in the first part of the book. In the second part, explanations are offered and mechanisms of the reactions are discussed. Many of these reactions are real surprises, even for fluorine chemists. Fully revised and updated, and including brand new problems and numerical examples, the new edition of 'Foundations of modern macroeconomics: exercise and solutions manual' uses worked example models to enable self-study and to allow the reader to derive conclusions regarding macroeconomic phenomena. Complete with a range of problems with varying degrees of difficulty, it provides solutions, hints, and tips, allowing the diligent reader to not only solve models, but to begin to formulate their own."--Back cover This monograph presents the fundamentals as well as the application techniques of servo control systems, which are a key element of Mechatronics. The industrial applications and problems of Mechatronic Servo System Control are demonstrated as well as its theoretical and applicable solutions. The book is unique in its kind in converting a know-how only suitable for special situations until now into a more universal technology. This introductory monograph is aiming at students and engineers who are involved in the field of Mechatronics and Robotics. A monster assembled by a scientist from parts of dead bodies develops a mind of his own as he learns to loathe himself and hate his creator. Shelley's suspenseful and intellectually rich gothic tale confronts some of the most important and enduring themes in all of literature-the power of human imagination, the potential hubris of science, the gulf between appearance and essence, the effects of human cruelty, the desire for revenge and the need for forgiveness, and much more. Issues in Applied Mathematics / 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Applied Mathematics. The editors have built Issues in Applied Mathematics: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Applied Mathematics in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Applied Mathematics: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>. This handbook provides the only complete collection of high-pressure thermodynamic data pertaining to polymer solutions at elevated pressures to date of all critical data for understanding the physical nature of these mixtures and applicable to a number of industrial and laboratory processes in polymer science, physical chemistry, chemical engineering, and biotechnology. In response to the increasing commercial interest due to the physico-chemical properties of these solutions, the CRC Handbook of Thermodynamic Data of Polymer Solutions at Elevated Pressures compiles information on experimental data from hundreds of primary journal articles, dissertations, and other papers into a single source entirely devoted to polymer solutions. The book contains data on vapor-liquid equilibria and gas solubilities, liquid-liquid equilibria, high-pressure fluid phase equilibria for polymer systems in supercritical fluids, enthalpic and volumetric data, and second virial coefficients, all at elevated pressures. An excellent companion to the author's previous publications, the CRC Handbook of Thermodynamic Data of Copolymer Solutions and the CRC Handbook of Thermodynamic Data of Aqueous Polymer Solutions, this

handbook contains reliable, easy-to-use entries, references, tables, examples, and appendices that provide students, professors, and researchers with a well-organized, quick route to the data they need. The CRC Handbook of Thermodynamic Data of Polymer Solutions at Elevated Pressures is a staple resource for all university libraries as well as private laboratories, particularly for researchers, academics, and engineers who handle polymer systems in supercritical fluids, material science applications such as computerized predictive packages, and chemical and biochemical processes, such as synthesis and characterization, fractionation, separation, purification, and finishing of polymers and related materials. _ CRC Handbook of Thermodynamic Data of Polymer Solutions, Three Volume Set CRC Handbook of Thermodynamic Data of Aqueous Polymer Solutions CRC Handbook of Thermodynamic Data of Copolymer Solutions For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network. The Congressional Record is the official record of the proceedings and debates of the United States Congress. It is published daily when Congress is in session. The Congressional Record began publication in 1873. Debates for sessions prior to 1873 are recorded in The Debates and Proceedings in the Congress of the United States (1789-1824), the Register of Debates in Congress (1824-1837), and the Congressional Globe (1833-1873) Back by popular demand, the MAA is pleased to reissue this outstanding collection of problems and solutions from the Putnam Competitions covering the years 1938-1964. Problemists the world over, including all past and future Putnam Competitors, will revel in mastering the difficulties posed by this collection of problems from the first 25 William Lowell Putnam Competitions. Solutions Manual to Accompany Engineering Materials Science provides information pertinent to the fundamental aspects of materials science. This book presents a compilation of solutions to a variety of problems or issues in engineering materials science. Organized into 15 chapters, this book begins with an overview of the approximate added value in a contact lens manufactured from a polymer. This text then examines several problems based on the electron energy levels for various elements. Other chapters explain why the lattice constants of materials can be determined with extraordinary precision by X-ray diffraction, but with constantly less precision and accuracy using electron diffraction techniques. This book discusses as well the formula for the condensation reaction between urea and formaldehyde to produce thermosetting urea-formaldehyde. The final chapter deals with the similarities between electrically and mechanically functional materials with regard to reliability issues. This book is a valuable resource for engineers, students, and research workers. Whether you need to check out the competition, recruit top personnel, or find a new agency or vendor, the Standard Directory of Advertising Agencies TM gives you an inside advantage into the busy world of advertising. The new, 1999 edition profiles nearly 10,000 agencies and over 21,000 key executives. With 160 new listings -- including categories for Children's Market and Senior's Market -- the Agency Red Book TM gives you complete coverage on the entire advertising industry.

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