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accompanied by a cd rom featuring source code executables figures and simulations it also explains each program in detail an invaluable guide for problem solving in mass transfer operations this book takes a highly pragmatic approach to providing the principles and applications of mass transfer operations by offering a valuable easily accessible guide to solving engineering problems both traditional and novel mass transfer processes receive treatment as with all of the books in this series emphasis is placed on an example based approach to illustrating key engineering concepts the book is divided into two major parts it starts with the principles underlying engineering problems showing readers how to apply general engineering principles to the topic of mass transfer operations it then goes on to provide step by step guidance for traditional mass transfer operations including distillation absorption and stripping and adsorption plus novel mass transfer processes essential topics for professional engineering exams are also covered geared towards chemical environmental civil and mechanical engineers working on real world industrial applications mass transfer operations for the practicing engineer features numerous sample problems and solutions with real world applications clear precise explanations on how to carry out the basic calculations associated with mass transfer operations coverage of topics from the ground up for readers without prior knowledge of the subject overview of topics relevant to the abet accreditation board for engineering and technology for those taking the professional engineering pe exams appendix containing relevant mass transfer operation charts and tables a fresh new treatment written by industry insiders this work gives readers a remarkably clear view into the world of chemical separation the authors review distillation extraction adsorption crystallization and the use of membranes providing historical perspective explaining key features and offering insights from personal experience the book is for engineers and chemists with current or future responsibility for chemical separation on a commercial scale in its design operation or improvement or for anyone wanting to learn more about chemical separation from an industrial point of view the result is a compelling survey of popular technologies and the profession one that brings the art and craft of chemical separation to life ever wonder how popular separation technologies came about how a particular process functions or how mass transfer units differ from theoretical stages or perhaps you want some pointers on how to begin solving a separation problem you will find clear explanations and valuable insights into these and other aspects of industrial practice in this refreshing new survey the book comprises papers presented at the 7th international conference on university learning and teaching incult 2014 which was hosted by the asian centre for research on university learning and teaching acrulet located at the faculty of education universiti teknologi mara shah alam malaysia it was co hosted by the university of hertfordshire uk the university of south australia the university of ohio usa taylor s university malaysia and the training academy for higher education akept ministry of education malaysia a total of 165 papers were presented by speakers from around the world based on the theme educate to innovate in the 21st century the papers in this timely book cover the latest developments issues and concerns in the field of teaching and learning and provide a valuable reference resource on university teaching and learning for lecturers educators researchers and policy makers issues for 1860 1866 67 1869 1872 include directories of covington and newport kentucky the wisden book of test cricket first published in 1979 is well established as an invaluable and unique source of reference essential to any cricket library this new volume includes full scorecards and match

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Unit Operations of Chemical Engineering 2004-10-27 recently published unit operations of chemical engineering 7th edition continues its lengthy successful tradition of being one of mcgraw hill s oldest texts in the chemical engineering series since 1956 this text has been the most comprehensive of the introductory undergraduate chemical engineering titles available separate chapters are devoted to each of the principle unit operations grouped into four sections fluid mechanics heat transfer mass transfer and equilibrium stages and operations involving particulate solids now in its seventh edition the text still contains its balanced treatment of theory and engineering practice with many practical illustrative examples included almost 30 of the problems have been revised or are new some of which cover modern topics such as food processing and biotechnology other unique topics of this text include diafiltration adsorption and membrane operations

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Programming for Chemical Engineers Using C, C++, and MATLAB? 2008 designed for chemical engineering students and industry professionals this book shows how to write reusable computer programs written in the three languages c c and matlab it is accompanied by a cd rom featuring source code executables figures and simulations it also explains each program in detail

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