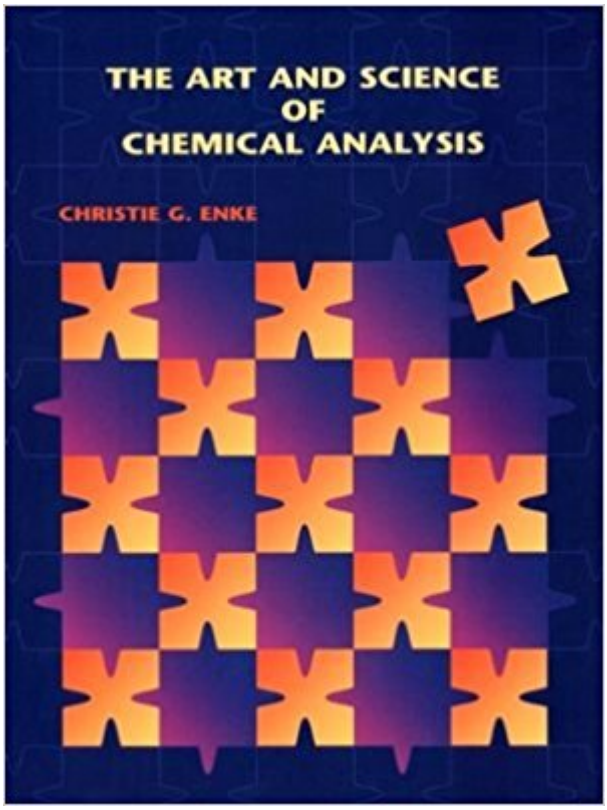
The Art And Science Of Chemical Analysis



Synopsis

Graphs and Excel-based problems appear throughout the book and are supported by user-friendly templates on the accompanying CD. * Study questions and problems appear every few pages throughout the book. These questions are followed by answers. * Enke’s book is organized by differentiating characteristics rather than by techniques.

Book Information

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Customer Reviews

The graceful Gaussian Distribution Curve is fundamental to the science of analytical chemistry, appearing in spectra and chromatograms as well as in the treatment of data. On the cover, the designer has woven this scientific form into an artistically attractive pattern to convey the art and science of analytical chemistry integral to this new approach. It is my goal to provide a unified treatment of the art and the science, showing the practice and theory, skills and fundamentals, ingenuity and form, of chemical analysis.

Chris Enke’s first book was "Electronics for Scientists" written with Howard Malmstadt, and in later versions with Stan Crouch as well. This book is the ninth he has authored or coauthored. Between these "bookends" he has been active in research and teaching. He is currently Professor of Chemistry at The University of New Mexico and Professor Emeritus at Michigan State University. His Ph.D. was earned at the University of Illinois. He has mentored over 60 Ph.D. students whose theses are in the areas of electroanalytical chemistry, computer-based instrumentation, optical

spectroscopy, and mass spectrometry. Over 150 papers and book chapters have resulted from this research. He has received American Chemical Society awards in Chemical Instrumentation and Computers in Chemistry, the Distinguished Faculty Award at Michagan State University, and is an AAAS Fellow. Among his several inventions is the triple quadrupole mass spectrometer (with Rick Yost) for which they received the Distinguished Contribution Award from the American Society for Mass Spectrometry. Chris has served as President of ASMS, Chairman of the Computers in Chemistry Division of ACS, and has been a member of many professional society and journal advisory boards. Thus present book was written out of his love for the subject of analytical chemistry and in appreciation of congenial colleagues, stimulating students, and rewarding research.

as expected

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