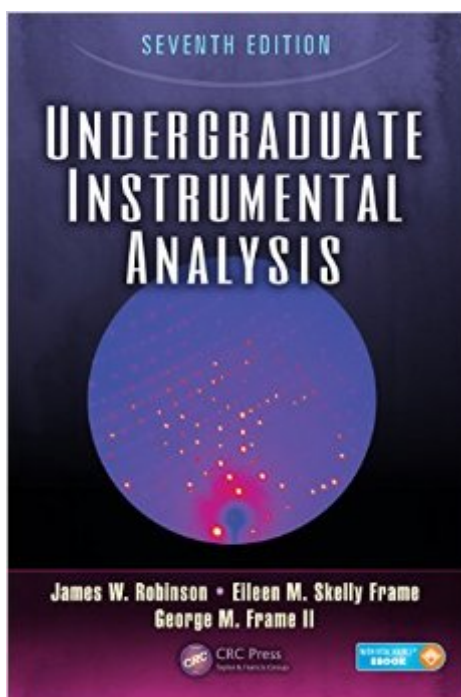


The book was found

Undergraduate Instrumental Analysis, Seventh Edition



Synopsis

Crucial to research in molecular biology, medicine, geology, food science, materials science, and many other fields, analytical instrumentation is used by many scientists and engineers who are not chemists. Undergraduate Instrumental Analysis, Seventh Edition provides users of analytical instrumentation with an understanding of these instruments, covering all major fields of modern instrumentation. Following the tradition of earlier editions, this text is designed for teaching undergraduates and those with no analytical chemistry background how contemporary analytical instrumentation works, as well as its uses and limitations. Each chapter provides a discussion of the fundamental principles underlying the techniques, descriptions of the instrumentation, and numerous applications. The chapters also contain updated bibliographies and problems, and most have suggested experiments appropriate to the techniques. This completely revised and updated edition covers subjects in more detail, such as a completely revised x-ray chapter, expanded coverage of electroanalytical techniques, and expansion of chromatography and mass spectrometry topics to reflect the predominance of these instruments in laboratories. This includes state-of-the-art sample introduction and mass analyzers, and the latest developments in UPLC and hyphenated techniques. The book also contains new graphics and addresses several new topics: Ion mobility spectrometry Time domain NMR (relaxometry) Electron spin resonance spectroscopy (ESR, EPR) Forensic science and bioanalytical applications Microcalorimetry and optical thermal instruments Laser-induced breakdown spectroscopy (LIBS) This text uniquely combines instrumental analysis with organic spectral interpretation (IR, NMR, and MS). It provides detailed coverage of sampling, sample handling, sample storage, and sample preparation. In addition, the authors have included many instrument manufacturers'™ websites, which contain extensive resources.

Book Information

File Size: 349224 KB

Print Length: 1264 pages

Publisher: CRC Press; 7 edition (July 21, 2014)

Publication Date: July 21, 2014

Sold by:Â Digital Services LLC

Language: English

ASIN: B00MMOIWU2

Text-to-Speech: Not enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Not Enabled

Best Sellers Rank: #435,830 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #18

in Kindle Store > Kindle eBooks > Nonfiction > Science > Chemistry > Analytic #27 in Kindle

Store > Kindle eBooks > Nonfiction > Science > Chemistry > Industrial & Technical #92 in Kindle

Store > Kindle eBooks > Nonfiction > Science > Chemistry > Organic

Customer Reviews

Very wordy but not much choice when the instructor assigns the reading.

The book is taking up space on my bookshelf just as expected. In fact, since its thick, it takes up as much as two books. Id like to thank my professors for making us purchase books we never use.

[Download to continue reading...](#)

Undergraduate Instrumental Analysis, Seventh Edition Principios de analisis instrumental / Principles of Instrumental Analysis (Spanish Edition) Principles of Instrumental Analysis 6th edition Haydn's 'Farewell' Symphony and the Idea of Classical Style: Through-Composition and Cyclic Integration in his Instrumental Music (Cambridge Studies in Music Theory and Analysis) Instrumental Analysis The Sound of Music: Violin Edition (Instrumental Folio) Fourier Analysis and Its Applications (Pure and Applied Undergraduate Texts) Real Mathematical Analysis (Undergraduate Texts in Mathematics) Understanding Analysis (Undergraduate Texts in Mathematics) Applied Linear Algebra and Matrix Analysis (Undergraduate Texts in Mathematics) Complex Analysis (Undergraduate Texts in Mathematics) Ordinary Differential Equations: Analysis, Qualitative Theory and Control (Springer Undergraduate Mathematics Series) The Sound of Music: Trumpet (Instrumental Solo) Classical Form: A Theory of Formal Functions for the Instrumental Music of Haydn, Mozart, and Beethoven Two-Dimensional Sonata Form: Form and Cycle in Single-Movement Instrumental Works by Liszt, Strauss, Schoenberg, and Zemlinsky Schubert's Instrumental Music - A Listener's Guide: Unlocking the Masters Series, No. 19 Sondheim Broadway Solos Flute Book/CD Play-Along (Hal Leonard Instrumental Play-Along) Stravinsky (Belwin Instrumental Solos) Sourcebook for Wind Band and Instrumental Music Instrumental Insemination of Honey Bee Queens

[Dmca](#)