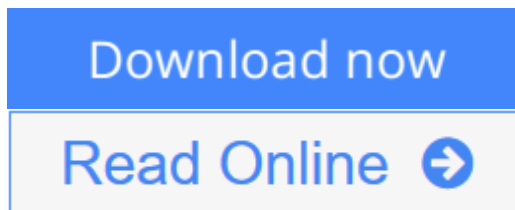


Fourier Transform Infrared Spectrometry

By Peter R. Griffiths, James A. De Haseth



Fourier Transform Infrared Spectrometry By Peter R. Griffiths, James A. De Haseth

A bestselling classic reference, now expanded and updated to cover the latest instrumentation, methods, and applications

The Second Edition of Fourier Transform Infrared Spectrometry brings this core reference up to date on the uses of FT-IR spectrometers today. The book starts with an in-depth description of the theory and current instrumentation of FT-IR spectrometry, with full chapters devoted to signal-to-noise ratio and photometric accuracy. Many diverse types of sampling techniques and data processing routines, most of which can be performed on even the less expensive instruments, are then described. Extensively updated, the Second Edition:

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Contains new chapters that focus on different ways of measuring spectra by FT-IR spectrometry, including fourteen chapters on such techniques as microspectroscopy, internal and external reflection, and emission and photoacoustic spectrometry

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Includes a new chapter introducing the theory of vibrational spectrometry

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Organizes material according to sampling techniques

Designed to help practitioners using FT-IR capitalize on the plethora of techniques for modern FT-IR spectrometry and plan their experimental procedures correctly, this is a practical, hands-on reference for chemists and analysts. It's also a great resource for students who need to understand the theory, instrumentation, and applications of FT-IR.

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Review

"The book is a great learning tool and reference guide for spectroscopy today." (*Applied Spectroscopy*, December 2007)

"The discussion of NIR spectroscopy is on the whole very positive... I recommend you buy it." (*NIR News*, October 2007)

From the Publisher

An up-to-date introduction to the theory, instrumentation and applications of FT-IR spectrometry, including new and emerging techniques. Designed to allow actual and potential users of the technique to plan their experimental procedures correctly. Easy-to-read, logical presentation makes this sophisticated subject accessible to students as well as chemists and analysts. End of chapters references. Index.

From the Back Cover

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