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CRC Press, Dec 20, 1995 - Science - 224 pages. 2 Reviews. Fundamentals of Fourier Transform Infrared Spectroscopy teaches the basics of FTIR

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spectroscopy to those new to the field and serves as an...

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Fourier-transform infrared spectroscopy (FTIR) is a technique used to obtain an infrared spectrum of absorption or emission of a solid, liquid or gas. An FTIR spectrometer simultaneously collects high-resolution spectral data over a wide spectral range. This confers a significant advantage over a dispersive spectrometer, which measures intensity over a narrow range of wavelengths at a time.

Fourier-transform infrared spectroscopy - Wikipedia

FTIR stands for Fourier transform infrared, the preferred method of infrared spectroscopy. When IR radiation is passed through a sample, some radiation is absorbed by the sample and some passes through (is transmitted). The resulting signal at the detector is a spectrum representing a molecular 'fingerprint' of the sample.

FTIR Spectroscopy Basics | Thermo Fisher Scientific - US

Fourier Transform Infrared Spectroscopy (short FT-IR) is one of the techniques that are used today for measuring the intensity of infrared radiation as a function of frequency or wavelength. Infrared radiation is invisible electromagnetic radiation just below the red

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colour of the visible electromagnetic spectrum, with wavelength

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Fundamentals of Fourier Transform Infrared Spectroscopy teaches the basics of FTIR spectroscopy to those new to the field and serves as an excellent reference for experienced users. This book explains difficult theoretical concepts using diagrams and easy-to-understand language with a minimum of complex mathematics.

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