DESCRIPTION

This second, thoroughly revised, updated and enlarged edition provides a straightforward introduction to spectroscopy, showing what it can do and how it does it, together with a clear, integrated and objective account of the wealth of information that may be derived from spectra. It also features new chapters on spectroscopy in nano-dimensions, nano-optics, and polymer analysis.

Clearly structured into sixteen sections, it covers everything from spectroscopy in nanodimensions to medicinal applications, spanning a wide range of the electromagnetic spectrum and the physical processes involved, from nuclear phenomena to molecular rotation processes.

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ABOUT THE AUTHOR

Professor Gauglitz published over 225 publications on photokinetics, UV-VIS spectroscopy, chromatographic detection, optical sensors, modification and characterization of boundary layers, and many more topics. He is author of several books on practical spectroscopy, and basics and applications in photokinetics, among others.
Professor Moore published more than 110 publications and five book chapters, as well as holder of four patents. He is presently a technical staff member at Los Alamos National Laboratory, USA. David Moore received a B.S. in Chemistry (University of Utah, 1974) and a Ph.D. in Physical Chemistry (University of Wisconsin, 1980). He was a Los Alamos National Laboratory Director-Funded Postdoctoral Fellow (1980-1981) and an Alexander von Humboldt Fellow (Essen 1993-94). in 2004 he was named Fellow of the American Physical Society.

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