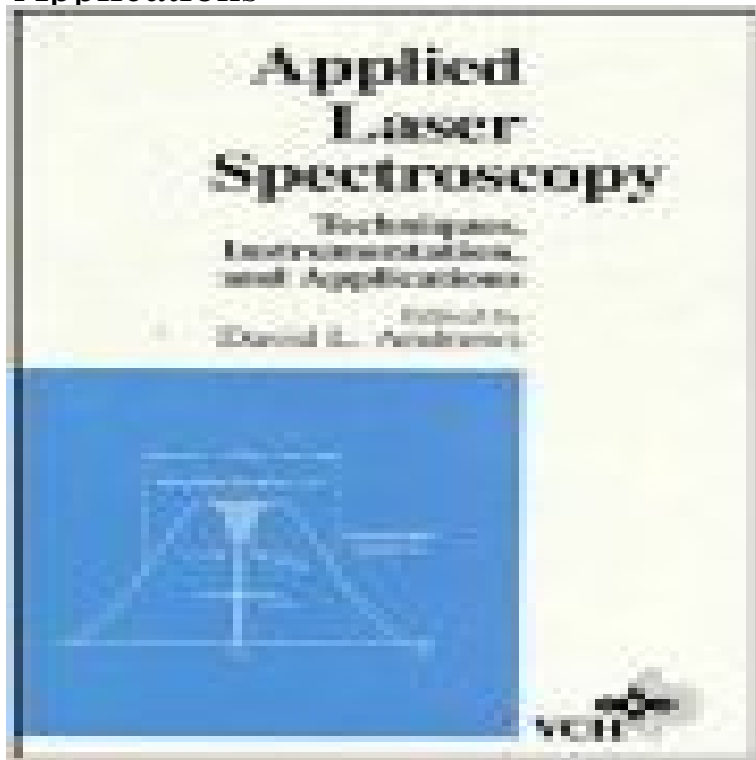


Applied Laser Spectroscopy: Techniques, Instrumentation, and Applications



Detailed, State-of-the-Art Techniques in Applied Laser Spectroscopy This new book provides detailed coverage of current techniques in applied laser spectroscopy and is designed to reflect the full breadth of current applications. The book does not require a background knowledge of lasers, only an understanding of spectroscopy. Beginning with a simple introduction to the key features and principles of the subject in chapter 1 and a review of the basic instrumentation in chapter 2, each subsequent chapter then focuses on one major type of modern laser spectroscopy technique and covers the principles, specialized instrumentation and results. Numerous examples which illustrate each method are drawn from a wide range of chemical, physical and biological studies. Each chapter addresses both actual and potential problems associated with a particular technique and provides the reader with the perspective necessary to decide which method would be most suitable for any particular problem.

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