

Laserline 860

PCMag.com is a leading authority on technology, delivering Labs-based, independent reviews of the latest products and services. Our expert industry analysis and practical solutions help you make better buying decisions and get more from technology.

Introduces the features of the Microsoft Windows user interface program, and covers the file manager, utilities, fonts, networking, multimedia, using DOS programs, shortcuts, and undocumented features

Laser Spectroscopy V

Visual Guide to WordPerfect

A Technical Reference

Continuous Release--Emergency Response Notification System

InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.

All papers were peer reviewed. Bayesian Inference and Maximum Entropy Methods in Science and Engineering provide a framework for analyzing ill-conditioned data. Maximum Entropy is a theoretical method to draw conclusions when little information is available. Bayesian probability theory provides a formalism for scientific reasoning by analyzing noisy or incomplete data using prior knowledge.

An Interplay of Noncovalent Interactions

Bayesian Inference and Maximum Entropy Methods in Science and Engineering

Laser Crystals, Glasses, and Nonlinear Materials Growth and Characterization

The Stephen Cobb User's Handbook to Excel for the IBM PC

The Fifth International Conference on Laser Spectroscopy or VICOLS, was held at Jasper Park Lodge, in Jasper, Canada, June 29 to July 3, 1981. Following the tradition of the previous conferences in Vail, Megeve, Jackson Lake, and Rottach-Egern, it was hoped that VICOLS would provide an opportunity for active scientists to meet in an informal atmosphere for discussions of recent developments and applications in laser spectroscopy. The excellent conference facilities and remote location of Jasper Park Lodge in the heart of the Canadian Rockies, amply fulfilled these expectations. The conference was truly international, with 230 scientists from 19 countries participating. The busy program of invited talks lasted four days, with two evening sessions, one a panel discussion on Rydberg state spectroscopy, the other a lively poster session of approximately 60 post-deadline papers. We wish to thank all of the participants for their outstanding contributions and for preparation of their papers, now available to a wider audience. Our thanks go to the members of the International Steering Committee for their suggestions and recommendations. We are especially pleased to have held this conference under the auspices of the International Union of Pure and Applied Physics. VICOLS would not have been possible without the financial support of the Natural Sciences and Engineering Research Council of Canada, and the Office of Naval Research and Air Force Office of Scientific Research of the United States* of America.

This book reviews various aspects of molecular spectroscopy and its application in materials science, chemistry, physics, medicine, the arts and the earth sciences. Written by an international group of recognized experts, it examines how complementary applications of diverse spectroscopic methods can be used to study the structure and properties of different materials. The chapters cover the whole spectrum of topics related to theoretical and computational methods, as well as the practical application of spectroscopic techniques to study the structure and dynamics of molecular systems, solid-state crystalline and amorphous materials, surfaces and interfaces, and biological systems. As such, the book offers an invaluable resource for all researchers and postgraduate students interested in the latest developments in the theory, experimentation, measurement and application of various advanced spectroscopic methods for the study of materials.

Gulliver in the Country of Lilliput

Mechanics of Pneumatic Tires

Micro-Mechanical Voltage Tunable Fabry-Perot Filters Formed in (111) Silicon

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Includes glossary & index.

24th International Workshop on Bayesian Inference and Maximum Entropy Methods in Science and Engineering

28 January 1999, San Jose, California

WordPerfect Printer Definition Program

User's Manual for Industry

Noncovalent interactions are the bridge between ideal gas abstraction and the real world. For a long time, they were covered by two terms: van der Waals interactions and hydrogen bonding. Both experimental and quantum chemical studies have contributed to our understanding of the nature of these interactions. In the last decade, great progress has been made in identifying, quantifying, and visualizing noncovalent interactions. New types of interactions have been classified--their energetic and spatial properties have been tabulated. In the past, most studies were limited to analyzing the single strongest interaction in the molecular system under consideration, which is responsible for the most important structural properties of the system. Despite this limitation, such an approach often results in satisfactory approximations of experimental data. However, this requires knowledge of the structure of the molecular system and the absence of other competing interactions. The current challenge is to go beyond this limitation. This Special Issue collects ideas on how to study the interplay of noncovalent interactions in complex molecular systems including the effects of cooperation and anti-cooperation, solvation, reaction field, steric hindrance, intermolecular dynamics, and other weak but numerous impacts on molecular conformation, chemical reactivity, and condensed matter structure.

"This book provides a practical description of optics that satisfies the needs often encountered by some engineers in the practice of their profession. Optical components, including optical sources and detectors, have found their way into products that we buy for the house, and into industrial equipment. As a textbook, it provides an efficient tool for the student to gain in-depth knowledge of a subject, with homework problems to test and verify mastery of the subject." --Antonio Sanchez-Rubio, MIT Lincoln Laboratory, Lexington, Massachusetts, USA "This book covers all the experimental tools, described meticulously and with clear illustrations, which students will need to perform their experiments. I wish I had this book when I taught an optics course!" --A.K. Ramdas, Purdue University, West Lafayette, Indiana, USA This book provides readers with a brief introduction to optical components.

Materials presented in this book prepare readers to deal with optical components in the areas of optics and optical technology. Introduction to Optical Components features nine chapters with topics ranging from lenses (materials, magnifiers, and cameras); mirrors (spherical, ellipsoidal, and aberrations); diffraction gratings (holographic and multilayer dielectric); polarizers (birefringent, reflective, and Jones matrix algebra); windows (UV and AR coating materials); filters (neutral density and Raman); beamsplitters (plate, cube, and pellicle); sources (light-emitting diodes and lasers); and detectors (thermal, photon, and photodetector noise). This text also features a detailed discussion of non-ideal effects for practical components using minimal amounts of derivations (that do not compromise essential physical, mathematical, or material properties). While there are numerous books that feature "optical" in their title, to date, no textbook on optical components exists. It is for this reason that Introduction to Optical Components is such a vital resource. The technical level of this book is equivalent to an undergraduate course in the optics and optical technology curriculum. Students are required to have little familiarity with optics. Practitioners in optics and optical technology will also find this book useful. Each chapter includes numerous mathematical equations; tables providing useful optical parameters for many optical materials; and end-of-chapter questions and their corresponding solutions.

Testing, Packaging, Reliability, and Applications of Semiconductor Lasers IV

Molecular Spectroscopy-Experiment and Theory

The Windows 3.1 Bible

Introduction to Optical Components

Hands-on tutorials cover Word versions 4.0 and 5.0. Notes on earlier versions are provided along with a guide to setting up the software and a summary of commands. No bibliography. Annotation copyrighted by Book News, Inc., Portland, OR

Engineering and Instrumentation

28 and 30 January 2003, San Jose, California, USA

Learning WordPerfect 5.0