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LOGAN SHANE

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Equipo Sirius
 Focusing on polarization matrix optics in many forms, this book includes coverage of a wide range of methods which have been applied to LCD modeling, ranging from the simple Jones matrix method to elaborate and high accuracy algorithms suitable for off-axis optics. Researchers and scientists are constantly striving for improved performance, faster response times, wide viewing angles, improved colour in liquid crystal display development, and with this comes the need to model LCD devices effectively. The authors have significant experience in dealing with the problems related to the practical application of liquid crystals, in particular their optical performance. Key features: Explores analytical solutions and approximations to important cases in the matrix treatment of different LC layer configurations, and the application of these results to improve the computational method Provides the analysis of accuracies of the different approaches

discussed in the book Explains the development of the Eigenwave Jones matrix method which offers a path to improved accuracy compared to Jones matrix and extended Jones matrix formalisms, while achieving significant improvement in computational speed and versatility compared to full 4x4 matrix methods Includes a companion website hosting the authors' program library LMOPTICS (FORTRAN 90), a collection of routines for calculating the optical characteristics of stratified media, the use of which allows for the easy implementation of the methods described in this book. The website also contains a set of sample programs (source codes) using LMOPTICS, which exemplify the application of these methods in different situations

Federal Procurement Data System John Wiley & Sons

Desde la total automatización del Círculo Meridiano «Carlsberg», a finales de la década de 1970 y su posterior robotización ya en la isla de La Palma en 1997 y la primera luz un año más tarde (1998) del primer observatorio robótico inteligente de nuestro país en la Estación de Sondeos Atmosféricos (ESAt) en El Arenosillo (Instituto Nacional de Técnica Aeroespacial) en Mazagón, Huelva, el número de equipos que ha comenzado a robotizarse en España ha ido incrementándose a lo largo de estos

últimos años. Una docena de ellos se cuentan en la actualidad: tres en Andalucía, tres en Canarias, uno en Aragón, uno en Cataluña, uno en la Comunidad de Madrid, uno en la Región de Murcia, uno en la Comunidad Valenciana, y otro en Baleares. En este libro se recogen los desarrollos tecnológicos realizados hasta la fecha así como los logros científicos alcanzados y los planes de futuro para esta incipiente rama de la Astronomía.

Optical Engineering John Wiley & Sons

Optical Payloads for Space Missions is a comprehensive collection of optical spacecraft payloads with contributions by leading international rocket-scientists and instrument builders. Covers various applications, including earth observation, communications, navigation, weather, and science satellites and deep space exploration Each chapter covers one or more specific optical payload Contains a review chapter which provides readers with an overview on the background, current status, trends, and future prospects of the optical payloads Provides information on the principles of the optical spacecraft payloads, missions' background, motivation and challenges, as well as the scientific returns, benefits and applications

Directory of Corporate Affiliations Springer Science & Business Media

Described as "Who owns whom, the family tree of every major corporation in America, " the directory is indexed by name (parent and subsidiary), geographic location, Standard Industrial Classification (SIC) Code, and corporate responsibility.

Beam Shaping and Control with Nonlinear Optics Turner Publishing Company

In the 1960's, American amateur astronomer, John Dobson, designed a revolutionary kind of astronomical telescope featuring a lightweight large-aperture reflecting system on a simple mounting, using the then-revolutionary material called teflon. The design combines simplicity and portability with large-aperture prowess. Thirty years later Dobsonians remain supreme for visually observing faint deep-sky objects and are one of the best-selling large telescopes in the USA and Europe. This popularity is reflected in the recent increase of companies now heavily marketing Dobsonians, in particular, Meade (the "Lightbridge" range), Orion USA (XT Intelliscope series), and Skywatcher (Skyliner and Flextube models). This book is the ultimate guide to buying and using commercial Dobsonians, both 'Econo' and 'Primo' models, with in-depth accounts for the various models (plus accessories) on the market and descriptions of the many innovations that amateurs have made to optimize their telescopes' performance.

Worldwide Report SPIE-International Society for Optical Engineering

Vols. contain the proceedings, reports and reprints of papers of the Congress.

Proceedings CRC Press

Publishes papers reporting on research and development in optical science and engineering and the practical applications of known optical science, engineering, and technology.

Ophthalmic Mechanics and Dispensing Springer Science & Business Media

When Galileo designed the tube of his first telescope, optomechanics was born. Concerned with the shape and position of surfaces in an optical system, optomechanics is a subfield of physics that is arguably as old as optics. However, while universities offer courses on the subject, there is a scarcity in textbook selections that skillfully and properly convey optomechanical fundamentals to aspiring engineers.

Complemented by tutorial examples and exercises, this textbook rectifies this issue by providing instructors and departments with a better choice for transmitting to students the basic principles of

optomechanics and allowing them to comfortably gain familiarity with the field's content. Practicing optical engineers who engage in self-study and wish to enhance the extent of their knowledge will also find benefit from the vast experience of the authors. The book begins with a discussion of materials based on optomechanical figures of merit and features chapters on windows, prisms, and lenses. The authors also cover topics related to design parameter, mounting small mirrors, metal mirrors with a discussion of infrared applications, and kinematic design. Overall, Fundamentals of Optomechanics outfits students and practitioners with a stellar foundation for exploring the design and support of optical system surfaces under a wide variety of conditions. Provides the fundamentals of optomechanics Presents self-contained, student-friendly prose, written by top scientists in the field Discusses materials, windows, individual lenses and multiple lenses Includes design, mounting, and performance of mirrors Includes homework problems and a solutions manual for adopting professors *The Canadian Surveyor* Univ Santiago de Compostela Includes supplements.

Field Guide to Optomechanical Design and Analysis

Includes a mid-December issue called Buyer guide edition.

IEICE Transactions on Electronics

Optomechanics is a field of mechanics that addresses the specific design challenges associated with optical systems. Intended for practicing optical and mechanical engineers whose work involves both fields, this describes how to mount optical components, as well as how to analyse a given design. Common issues involved with mounting optical components are discussed, including stress, glass strength, thermal effects, vibration, and errors due to motion.

Optical Payloads for Space Missions

Praise for Star Ware "Star Ware is still a tour de force that any experienced amateur will find invaluable, and which hardware-minded beginners will thoroughly enjoy." - Robert Burnham, Sky & Telescope magazine "Star Ware condenses between two covers what would normally take a telescope buyer many months to accumulate." - John Shibley, Astronomy magazine Whether you're shopping for your first telescope or your fifth, don't be surprised if you feel overwhelmed by the dazzling array of product choices, bells and whistles, and the literature that describes them all. That's why you need Star Ware. In this revised and updated Fourth Edition of the essential guide to comparing and selecting sky-watching equipment, award-winning astronomy writer Philip Harrington takes you telescope shopping the easy way. He analyzes and explains today's astronomy market and compares brands and models point by point. Star Ware gives you the confidence you need to buy the telescope and accessories that are right for you and the knowledge to get the most out of your new purchase, with: * Extensive, expanded reviews of leading models and accessories-including dozens of new products * A clear, step-by-step guide to every aspect of selecting telescopes, binoculars, filters, mounts, lenses, cameras, film, star charts, guides and references, and much more * Ten new do-it-yourself projects for building your own astronomical equipment * Easy tips on setting up, using, and caring for telescopes and other astronomical equipment * Lists of where to find everything astronomical, including Web sites and resources; distributors, dealers, and conventions; and corporate listings for products and services

Opto-mechanical Systems Design

Includes lists of members of the Society.

Astrofísica Robótica en España

The field of nonlinear optics, which has undergone a very rapid development since the discovery of lasers in the early sixties,

continues to be an active and rapidly developing - search area. The interest is mainly due to the potential applications of nonlinear optics: - rectly in telecommunications for high rate data transmission, image processing and recognition or indirectly from the possibility of obtaining large wavelength range tuneable lasers for applications in industry, medicine, biology, data storage and retrieval, etc. New phenomena and materials continue to appear regularly, renewing the field. This has proven to be especially true over the last five years. New materials such as organics have been developed with very large second- and third-order nonlinear optical responses. Imp- tant developments in the areas of photorefractivity, all optical phenomena, frequency conv- sion and electro-optics have been observed. In parallel, a number of new phenomena have been reported, some of them challenging the previously held concepts. For example, solitons based on second-order nonlinearities have been observed in

photorefractive materials and frequency doubling crystals, destroying the perception that third order nonlinearities are - quired for their generation and propagation. New ways of creating and manipulating nonl- ear optical materials have been developed. An example is the creation of highly nonlinear (second-order active) polymers by static electric field, photo-assisted or all-optical poling. Nonlinear optics involves, by definition, the product of electromagnetic fields. As a consequence, it leads to the beam control.

Photonics Spectra

Vols. for 1970-71 includes manufacturers catalogs.

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