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Leno M Pedrotti : University of Dayton, Ohio

Leno S. Pedrotti, an OSA Fellow Emeritus and an OSA member for nearly 40 years, died on August 19, 2008 after a battle with cancer. He was 81.

Leno S. Pedrotti | In Memoriam | The Optical Society

PEDROTTI, Dr. Leno S. 81, of Waco, Texas passed away Tuesday, August 19, 2008. Mass of Christian Burial will be celebrated 11 a.m. Saturday, August 23, at St. Jerome's Catholic Church in Waco,...

Leno Pedrotti - Obituary

He has taught courses that span the undergraduate physics curriculum, as well as selected graduate electro-optics courses. leno s. pedrotti (1927-2008) was a professor of Physics at the Air Force Institute of Technology (AFIT) and Chief Scientist and Senior Vice President at the Center for Occupational Research & Development (CORD).

To our families and friends for their timely support ...

Introduction to Optics eBook: Pedrotti, Frank L., Pedrotti, Leno M., Pedrotti, Leno S.: Amazon.co.uk: Kindle Store

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Leno S. Pedrotti (1927-2008) was a Professor of Physics at the Air Force Institute of Technology (AFIT) and Chief Scientist and Senior Vice President at the Center for Occupational Research and Development (CORD). He earned a Ph.D. in Physics from the University of Cincinnati in 1961.

Introduction to Optics: Amazon.co.uk: Frank L. Pedrotti ...

Leno M. Pedrotti is a Professor of Physics at the University of Dayton, where he joined the faculty in 1987, after completing his Ph.D. at the University of New Mexico in 1986. He has published papers on a variety of topics in theoretical quantum... show more

Introduction to Optics : Frank L. Pedrotti : 9781108428262

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Introduction to Optics (3rd Edition) - SILO.PUB

Leno M. Pedrotti is a Professor of Physics at the University of Dayton, where he joined the faculty in 1987, after completing his Ph.D. at the University of New Mexico in 1986. He has published papers on a variety of topics in theoretical quantum optics, including the quantum theory of the laser, microcavity lasers, nonclassical states of light, and atom/field/cavity interactions. He has ...

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Leno Pedrotti passed away in Waco, Texas. The obituary was featured in Waco Tribune-Herald on August 20, 2008, and Dayton Daily News on August 21, 2008.

Leno Pedrotti Obituary - Waco, Texas | Legacy.com

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A comprehensive and engaging textbook, covering the main areas of optics and its modern applications.

Introduction to Optics is now available in a re-issued edition from Cambridge University Press. Designed to offer a comprehensive and engaging introduction to intermediate and upper level undergraduate physics and engineering students, this text also allows instructors to select specialized content to suit individual curricular needs and goals. Specific features of the text, in terms of coverage beyond traditional areas, include extensive use of matrices in dealing with ray tracing, polarization, and multiple thin-film interference; three chapters devoted to lasers; a separate chapter on the optics of the eye; and individual chapters on holography, coherence, fiber optics, interferometry, Fourier optics, nonlinear optics, and Fresnel equations.

This applications-oriented book covers a variety of interrelated topics under the study of optics. For physics and engineering, it covers lasers and fiber optics, emphasizing applications to the optics of vision. For optometry, it discusses the optics of the eye, geometrical optics, interference, diffraction, and polarization. KEY TOPICS: Emphasizing the optics of vision, the book presents a vital and interesting applications of optical principles. It also includes several specialized sections on vision: a history of vision and spectacles; the use of vergences to handle refraction of the eye; the use of vergence to handle errors in refraction of the eye; optics of cyndrical lenses and application to astigmatism; aberrations in vision; structures and optical models of the eye; and the use of lasers in therapy for ocular defects. MARKET: A valuable reference on optics for professional optometrists, physicists, and engineers.

The text is a comprehensive and up-to-date introduction to optics suitable for one- or two-term intermediate and upper level undergraduate physics and engineering students. The reorganized table of contents provides instructors the flexibility to tailor the chapters to meet their individual needs.

Introduction to Optics is now available in a re-issued edition from Cambridge University Press. Designed to offer a comprehensive and engaging introduction to intermediate and upper level undergraduate physics and engineering students, this text also allows instructors to select specialized content to suit individual curricular needs and goals. Specific features of the text, in terms of coverage beyond traditional areas, include extensive use of matrices in dealing with ray tracing, polarization, and multiple thin-film interference; three chapters devoted to lasers; a separate chapter on the optics of the eye; and individual chapters on holography, coherence, fiber optics, interferometry, Fourier optics, nonlinear optics, and Fresnel equations.

Optics clearly explains the principles of optics using excellent pedagogy to support student learning. Beginning with introductory ideas and equations, K.K. Sharma takes the reader through the world of optics by detailing problems encountered, advanced subjects, and actual applications. Elegantly written, this book rigorously examines optics with over 300 illustrations and several problems in each chapter. The book begins with light propagation in anisotropic media considered much later in most books. Nearly one third of the book deals with applications of optics. This simple idea of merging the sometimes overwhelming and dry subject of optics with real world applications will create better future engineers. It will make "optics" jump off the page for readers and they will see it take shape in the world around them. In presenting optics practically, as well as theoretically, readers will come away not only with a complete knowledge base but a context in which to place it. This book is recommended for optical engineers, libraries, senior undergraduate students, graduate students, and professors. Strong emphasis on applications to demonstrate the relevance of the theory Includes chapter on problem solving of ray deviations, focusing errors, and distortion Problems are included at the end of each chapter for thorough understanding of this dense subject matter

The book offers a thorough introduction to machine vision. It is organized in two parts. The first part covers the image acquisition, which is the crucial component of most automated visual inspection systems. All important methods are described in great detail and are presented with a reasoned structure. The second part deals with the modeling and processing of image signals and pays particular regard to methods, which are relevant for automated visual inspection.

What really happened during Galileo's momentous 1632 trial for heresy? Many will be surprised to learn that Galileo was a lifelong, devout Catholic, and that the Inquisition made no factual dispute of his claims. Drawing on his intimate knowledge of Italian and Renaissance history, Dan Hofstadter vividly recounts the proceedings and just what was at stake. He sorts through intricate webs of patronage, examines the technology of Galileo's instruments, and reviews the cultural climate to explain why Galileo incurred such strident opposition. His telescope's 1.5 cm eyepiece made the device hard to use, leading some who tried it to denounce it as a scam. His descriptions of the heavens upset centuries of traditional understandings - from Dante's perfect image of the moon to the carefully organized measurements of astrology. The account is also one of mighty egos: Galileo the obstinate truth-seeker on the one hand, and his powerful detractors like Pope Urban VIII on the other. Ironically, the pope was a patron of the arts and sciences, and even a good friend of Galileo. But Hofstadter suggests that like many others, he simply could not see - or refused to see - the truth that we do not occupy the center of the universe.

There is a blind spot in recent accounts of the history, theory and aesthetics of optical media: namely, the field of the three-dimensional, or trans-plane, image. It has been widely used in the 20th century for very different practices - military, scientific and medical visualization - precisely because it can provide more spatial information. And now in the 21st century, television and film are employing the method even more. Appearing for the first time in English, Jens Schroeter's comprehensive study of the aesthetics of the 3D image is a major scholarly addition to this evolving field. Citing case studies from the history of both technology and the arts, this wide-ranging and authoritative book charts the development in the theory and practice of three-dimensional images. Discussing and analyzing the transformation of the socio-cultural and technological milieu, Schroeter has produced a work of scholarship that combines impressive historical scope with contemporary theoretical arguments.

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