1. Record Nr. UNINA9910135983303321

Autore	Lin Psang Dain
Titolo	Advanced Geometrical Optics / / by Psang Dain Lin
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2017
ISBN	981-10-2299-2
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XXIV, 460 p. 222 illus., 193 illus. in color.)
Collana	Progress in Optical Science and Photonics, , 2363-5096 ; ; 4
Disciplina	535.32
Soggetti	Optics Electrodynamics Physics Quantum optics Lasers Photonics Classical Electrodynamics Numerical and Computational Physics, Simulation Quantum Optics Optics, Lasers, Photonics, Optical Devices Mathematical Methods in Physics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Mathematical Background -- Skew-Ray Tracing of Geometrical Optics -- Geometrical Optical Model -- Ray tracing Equations for Paraxial Optics -- Cardinal Points and Image Equations -- Ray Aberrations -- Jacobian Matrix of Ray Ri with Respect to Incoming ray Ri-1 and Boundary Variable Vector Xi -- Jacobian Matrix of Boundary Variable Vector Xi¬ with Respect to System Variable Vector Xsys -- Prism Analysis -- Prism Design Based on Image Orientation -- Determination of Prism Reflectors to produce required image orientation -- Optically Stable Systems -- Point Spread Function, Caustic Surfaces and Modulation Transfer Function -- Optical Path Length and Its Jacobian Matrix -- Wavefront Aberration and Wavefront Shape -- Hessian Matrix of Ray Ri with Respect to Incoming ray Ri-1 and Boundary Variable Vector Xi -- Hessian Matrix of Boundary Variable Vector Xi with Respect

	to System Variable Vector Xsys -- Hessian Matrix of Optical Path Length.
Sommario/riassunto	This book computes the first- and second-order derivative matrices of skew ray and optical path length, while also providing an important mathematical tool for automatic optical design. This book consists of three parts. Part One reviews the basic theories of skew-ray tracing, paraxial optics and primary aberrations – essential reading that lays the foundation for the modeling work presented in the rest of this book. Part Two derives the Jacobian matrices of a ray and its optical path length. Although this issue is also addressed in other publications, they generally fail to consider all of the variables of a non-axially symmetrical system. The modeling work thus provides a more robust framework for the analysis and design of non-axially symmetrical systems such as prisms and head-up displays. Lastly, Part Three proposes a computational scheme for deriving the Hessian matrices of a ray and its optical path length, offering an effective means of determining an appropriate search direction when tuning the system variables in the system design process.

2.

Record Nr.	UNINA9910145879903321
Titolo	Alle frontiere della vita [[electronic resource]] : eutanasia ed etica del morire
Pubbl/distr/stampa	Soveria Mannelli (Catanzaro), : Rubbettino, 2001-
Descrizione fisica	v
Collana	Saggi
Disciplina	179
Soggetti	Terminal Care Patient Rights Ethics, Clinical Homicide Ethics, Professional Patient Care Human Rights Social Problems Therapeutics Ethics Social Control, Formal Health Services Sociology

	Humanities Analytical, Diagnostic and Therapeutic Techniques and Equipment Health Care Quality, Access, and Evaluation Social Sciences Health Care Economics and Organizations Health Care Facilities Workforce and Services Anthropology, Education, Sociology and Social Phenomena Delivery of Health Care Right to Die Ethics, Medical Euthanasia
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Proceedings. Also cont. appendix of documents (pp. 133-170).
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	1. : Atti del Convegno di studi, Messina, Aula Magna dell'Ateneo, 20 gennaio 2001 / a cura di Marianna Gensabella Furnari ; contributi di : S. Montanini ... [et al.]. - 2001. - 178 p.