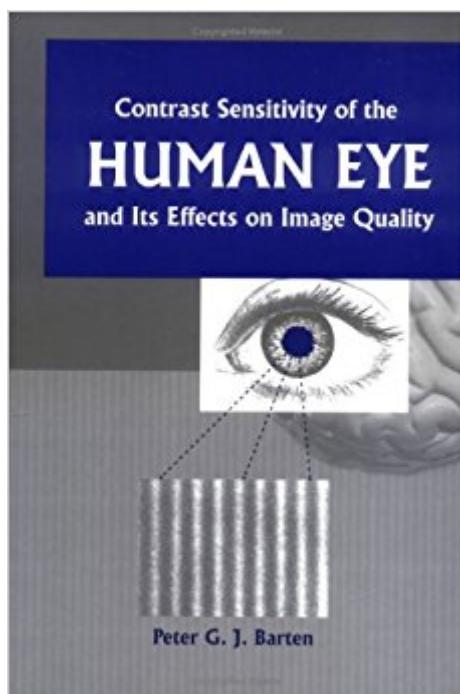


The book was found

Contrast Sensitivity Of The Human Eye And Its Effects On Image Quality (SPIE Press Monograph Vol. PM72)



Synopsis

Examines contrast sensitivity of the human visual system--concerning the eye's ability to distinguish objects from each other or from the background--and its effects on the image-forming process. The text provides equations for determining various aspects of contrast sensitivity, in addition to models (mathematical expressions) that can easily be adapted for practical applications. Contents - Introduction - References - Modulation threshold and noise - Model for the spatial contrast sensitivity of the eye - Extension of the contrast sensitivity model to extra-foveal vision - Extension of the contrast sensitivity model to the temporal domain - Effect of nonwhite spatial noise on contrast sensitivity - Contrast discrimination model - Image quality measure - Effect of various parameters on image quality - Epilogue - Summary - Samenvatting - Acknowledgments - Curriculum Vitae

Book Information

Series: SPIE Press

Paperback: 208 pages

Publisher: SPIE Publications; 1 edition (December 1, 1999)

Language: English

ISBN-10: 0819434965

ISBN-13: 978-0819434968

Product Dimensions: 0.8 x 7.2 x 10.2 inches

Shipping Weight: 1.1 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 1 customer review

Best Sellers Rank: #1,134,807 in Books (See Top 100 in Books) #100 in Books > Textbooks > Medicine & Health Sciences > Allied Health Services > Optometry #159 in Books > Medical Books > Allied Health Professions > Optometry #307 in Books > Medical Books > Medicine > Surgery > Ophthalmology

Customer Reviews

Peter G.J. Barten is an independent consultant with a special emphasis on image quality. He graduated in physics from the Technical University of Delft, Netherlands, and oversaw the development of color CRTs at Philips in Eindhoven. In 1999 he received a Ph.D. from the Technical University of Eindhoven. He has written numerous technical papers and a chapter on electron optics in the "TV & Video Engineer's Reference Book."

This book is a very nice reference book for your journal writing or research regarding contrast sensitivity issues.

[Download to continue reading...](#)

Contrast Sensitivity of the Human Eye and Its Effects on Image Quality (SPIE Press Monograph Vol. PM72) Third Eye: Third Eye Activation Mastery, Easy And Simple Guide To Activating Your Third Eye Within 24 Hours (Third Eye Awakening, Pineal Gland Activation, Opening the Third Eye) The Wonders of the Colorado Desert (Southern California), Vol. 1 of 2: Its Rivers and Its Mountains, Its Canyons and Its Springs, Its Life and Its ... Journey Made Down the Overflow of the Colo Color Vision and Colorimetry: Theory and Applications (SPIE Press Monograph Vol. PM204) A Guide to the Use and Calibration of Detector Array Equipment (SPIE Press Monograph Vol. PM142) Optics Made Clear: The Nature of Light And How We Use It (SPIE Press Monograph Vol. PM163) EUV Lithography (SPIE Press Monograph Vol. PM178SC) Principles of Lithography, Second Edition (SPIE Press Monograph Vol. PM146) Excimer Laser Lithography (SPIE Press Monograph Vol. PM03) The Art of Radiometry (SPIE Press Monograph Vol. PM184) Laser-Induced Interstitial Thermotherapy (SPIE Press Monograph Vol. PM25) (Institute Series, Is13) Air and Spaceborne Radar Systems: An Introduction (Spie Press Monograph) Laser Safety in the Lab (SPIE Press Monograph PM212) Image Formation in Low-Voltage Scanning Electron Microscopy (SPIE Tutorial Text Vol. TT12) (Tutorial Texts in Optical Engineering) Imagery and Disease: Image-Ca, Image-Sp, Image-Db : A Diagnostic Tool for Behavioral Medicine The Body Image Workbook for Teens: Activities to Help Girls Develop a Healthy Body Image in an Image-Obsessed World The Wills Eye Manual: Office and Emergency Room Diagnosis and Treatment of Eye Disease (Rhee, The Wills Eye Manual) Third Eye Awakening: Guided Meditation to Open Your Third Eye, Expand Mind Power, Intuition, Psychic Awareness, and Enhance Psychic Abilities (3rd Eye, Higher Consciousness, Spiritual Enlightenment) Third Eye: Third Eye, Mind Power, Intuition & Psychic Awareness: Spiritual Enlightenment (3rd Eye, Spiritual Awakening, Psychic Abilities, Mediumship, Pineal Gland) Cellular Physiology and Neurophysiology E-Book: Mosby Physiology Monograph Series (Mosby's Physiology Monograph)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)