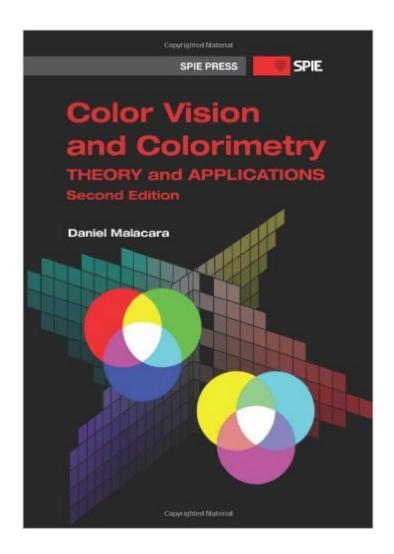
The book was found

Color Vision And Colorimetry: Theory And Applications (SPIE Press Monograph Vol. PM204)





Synopsis

This second edition has been rewritten, updated, and enlarged, describing the basic principles of color vision and colorimetry. The history of color is described, along with the main methods used to measure color and their associated color systems, and the human eye and its color detectors are explained with some detail. The book has been written with students in an introductory color course in mind, but those who have experience in the field will also benefit from the compendium of data within.

Book Information

Series: Spie Press Monograph Paperback: 188 pages Publisher: SPIE Press; 2 edition (August 5, 2011) Language: English ISBN-10: 0819483974 ISBN-13: 978-0819483973 Product Dimensions: 0.5 x 7 x 9.8 inches Shipping Weight: 1 pounds (View shipping rates and policies) Average Customer Review: 4.0 out of 5 stars Â See all reviews (2 customer reviews) Best Sellers Rank: #411,730 in Books (See Top 100 in Books) #36 in Books > Textbooks > Medicine & Health Sciences > Allied Health Services > Optometry #49 in Books > Medical Books > Allied Health Professions > Optometry #142 in Books > Science & Math > Physics > Optics

Customer Reviews

This is one of the rare books on color vision that leaves the human visual system to the end. In fact, the cone response functions are among the last topics discussed. Instead, this short work of about 150 pages takes a more or less chronological approach to colorimetry, starting with a few fundamentals on colorful light, progressing through trichromatic systems (like RGB, XYZ, and xyY) and uniform color systems (such as Munsell, CIELUV, and CIELAB) before ending at color mixing and measurement.It's quite a good book for those needing concise definitions and equations. Many diagrams and full-color diagrams complement tables for color matching functions and color transformation equations. In a few places the text is overly terse, and my only wish is that Malacara would have provided a bit more context around some of the equations explaining where some "magical" values come from.

Only intended for the mathematically inclined.

Download to continue reading...

Color Vision and Colorimetry: Theory and Applications (SPIE Press Monograph Vol. PM204) Principles of Lithography, Second Edition (SPIE Press Monograph Vol. PM146) Endocrine and Reproductive Physiology: Mosby Physiology Monograph Series (with Student Consult Online Access), 4e (Mosby's Physiology Monograph) Renal Physiology: Mosby Physiology Monograph Series (with Student Consult Online Access), 5e (Mosby's Physiology Monograph) Field Guide to Lens Design (SPIE Press Field Guide FG27) (Field Guides) Resolution Enhancement Techniques in Optical Lithography (SPIE Tutorial Texts in Optical Engineering Vol. TT47) Color Theory: An essential guide to color-from basic principles to practical applications (Artist's Library) Color Theory Made Easy: A New Approach to Color Theory and How to Apply it to Mixing Paints Color Choices: Making Color Sense Out of Color Theory How To Color Adult Coloring Books - Adult Coloring 101: Learn Easy Tips Today. How To Color For Adults, How To Color With Colored Pencils, Step By Step ... How To Color With Colored Pencils And More) Fundamentals of Perinatal Social Work: A Guide for Clinical Practice with Women, Infants, and Families (Monograph Published Simultaneously As Social Work in Health Care, Vol 24, No 3-4) Clinical Management of Binocular Vision: Heterophoric, Accommodative, and Eye Movement Disorders (Primary Vision Care) Handbook of Item Response Theory Modeling: Applications to Typical Performance Assessment (Multivariate Applications Series) Rethinking Capitalism: Economics and Policy for Sustainable and Inclusive Growth (Political Quarterly Monograph Series) Thermal Properties of Solids at Room and Cryogenic Temperatures (International Cryogenics Monograph Series) The psychological effects of menstruation, (Nervous and mental disease monograph series) Everything: The Black and White Monograph Good to Great and the Social Sectors: A Monograph to Accompany Good to Great A Monograph of the Testudinata (English and Latin Edition) Good To Great And The Social Sectors CD: A Monograph to Accompany Good to Great

<u>Dmca</u>