

1. Record Nr.	UNINA9910254595803321
Titolo	Erwin Schrödinger's Color Theory : Translated with Modern Commentary // edited by Keith K. Niall
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-64621-4
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (X, 193 p. 27 illus.)
Disciplina	535.2 537.6
Soggetti	Optics Electrodynamics Biological psychology Physics Classical Electrodynamics Biological Psychology History and Philosophical Foundations of Physics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Outlines of Colorimetric Theory under Photopic Conditions, Part I Outlines of Colorimetric Theory Under Photopic Conditions -- Part II A Theory of Normalized Surface Reflectance for Pigments -- On the Relation of the Trichromatic to the Opponent-Process Theory of Color -- On the Origin of Spectral Sensitivity Functions of the Eye -- On the Apparent Color of Stars, and Color Appearance Under Mesopic Conditions -- The Projective Geometry of Color Space: A Review.
Sommario/riassunto	This book presents the most complete translation to date of Erwin Schrödinger's work on colorimetry. In his work Schrödinger proposed a projective geometry of color space, rather than a Euclidean line-element. He also proposed new (at the time) colorimetric methods – in detail and at length - which represented a dramatic conceptual shift in colorimetry. Schrödinger shows how the trichromatic (or Young-Helmholtz) theory of color and the opponent-process (or Hering) theory of color are formally the same theory, or at least only trivially

different. These translations of Schrödinger's bold concepts for color space have a fresh resonance and importance for contemporary color theory.

---