This volume presents an integrated view of how we perceive the spatial relations in our visual world, covering anatomical, physiological, psychophysical, and perceptual aspects.

The authors discuss the visual system primarily in terms of spatial frequency analysis using a linear systems approach. They review evidence supporting a local, patch-by-patch spatial frequency filtering of visual information rather than the global Fourier analysis other researchers have proposed. A separate chapter addresses the special issues surrounding color vision, and a brief, nonmathematical introduction to linear systems analysis is included for the uninitiated reader.

Publication Year: 1990
Edition: 1st
Author/Editor: De Valois, Russell L.; De Valois, Karen K.
Publisher: Oxford University Press (OUP)
Platform: Ovid
Product Type: Book
Speciality: Cognitive Psychology
Neuropsychology
Language: English
Pages: 402
Illustrations: 135