1. Record Nr. UNINA9910144554403321

Titolo	Higher-order processing in the visual system [[electronic resource]]
Pubbl/distr/stampa	Chichester ; ; New York, : Wiley, 1995
ISBN	1-282-12243-6 9786612122439 0-470-51461-2 0-470-51462-0
Descrizione fisica	1 online resource (358 p.)
Collana	Ciba Foundation symposium ; ; 184
Altri autori (Persone)	BockGregory GoodeJamie
Disciplina	599.01823 612.84
Soggetti	Visual cortex - Physiology Visual perception Higher nervous activity Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Proceedings of Symposium on Higher-Order Processing in the Visual System held at the CIBA Foundation, London, Oct. 19-21, 1993. Editors, Gregory R. Bock and Jamie A. Goode.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	HIGHERlORDER PROCESSING IN THE VISUAL SYSTEM; Contents; Participants; Introduction; Physiology, morphology and spatial densities of identified ganglion cell types in primate retina; Circuitry, architecture and functional dynamics of visual cortex; General discussion I; Linearity and non-linearity in cortical receptive tields; Non-linear dynamics of columns of cat visual cortex revealed by simulation and experiment; Computational analysis of early visual mechanisms; General discussion I I; The role of features in structuring visual images From filters to features: location, orientation, contrast and blurCollator units: second-stage orientational f i Iters; Non-Fourier motion analysis; Implications of motion detection for ear I y non-l i near i t ies; The role of second-order motion signals in coherence and transparency; Common properties of visual seg men tat ion; General discussion I I I; A computational model for shape from texture; Full-wave and half-wave

	processes in second-order motion and texture; Non-linearities in texture segregation; Final discussion; Index of contributors; Subject index
Sommario/riassunto	Foremost neurophysiologists and psychophysicists provide pertinent information on the nature of representation at the earliest stages as this will constrain the disposition of all subsequent processing. This processing is discussed in several different types of visual perception.