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an introduction to visual perception

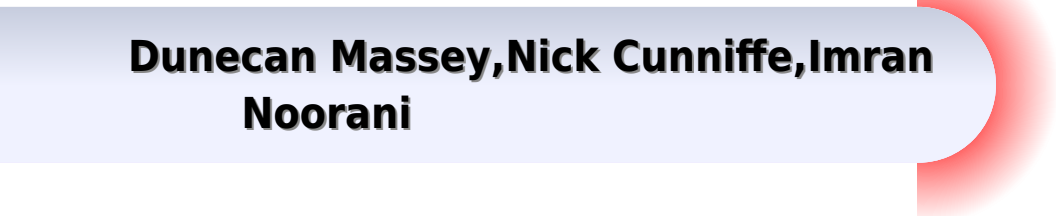
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Basic Vision An Introduction To Visual Perception

**Dunecan Massey, Nick Cunniffe, Imran
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Basic Vision Robert J. Snowden, Robert Snowden, Peter Thompson, Tom Troscianko, 2012-02-09 If you've ever been tricked by an optical illusion you'll have some idea about just how clever the relationship between your eyes and your brain is. This book leads one through the intricacies of the subject and demystifying how we see. **Basic Vision** Robert J. Snowden, Peter Thompson, Tom Troscianko, 2006 How do we spot a familiar face from across a crowded room and know that we're not waving to a complete stranger? How can we judge that the oncoming car is approaching too fast for us to cross the road safely and we're better off waiting at the kerb? **Basic Vision: An Introduction to Visual Perception** demystifies the processes through which the brain sees. It leads us through the various elements that come together as our perception of the world around us: the perception of size, colour, motion and three-dimensional space. It illustrates the intricacy of the visual system, discussing its development during infancy and revealing how the brain can get it wrong, either as a result of brain damage through which the network of processes becomes compromised or through illusion where the brain compensates for mixed messages by seeing what it thinks should be there rather than conveying the reality. The book also demonstrates the importance of contemporary techniques and methodology and neuroscience-based techniques in particular in driving forward our understanding of the visual system. With a sense of enthusiasm for the subject that pervades the book, **Basic Vision** will motivate and engage even the most reluctant learner, opening up to an undergraduate audience this stimulating yet challenging subject for the first time. Online Resource Centre For Lecturers: Figures from the book available to download to facilitate lecture preparation; Customizable course outlines and student handouts to facilitate lecture delivery; Test bank of multiple choice questions, a readily available tool for either formative or summative assessment; For the student: Annotated web links giving students ready access to these additional learning resources; Update section giving links to web sites and journal articles to illustrate to the student developments in the field since the book published. *Outlines and Highlights for Basic Vision* Cram101 Textbook Reviews, 2012-08-01 Never HIGHLIGHT a Book Again! Virtually all of the testable terms, concepts, persons, places, and events from the textbook are included. Cram101 Just the FACTS101 studyguides give all of the outlines, highlights, notes, and quizzes for your textbook with optional online comprehensive practice tests. Only Cram101 is Textbook Specific. Accompanys 9780199286706 **Studyguide for Basic Vision** Cram101 Textbook Reviews, 2013-05 Never HIGHLIGHT a Book Again! Includes all testable terms, concepts, persons, places, and events. Cram101 Just the FACTS101 studyguides gives all of the outlines, highlights, and quizzes for your textbook with optional online comprehensive practice tests. Only Cram101 is Textbook Specific. Accompanies 9780872893795 This item is printed on demand. **Visual Perception from a Computer Graphics Perspective** William Thompson, Roland Fleming, Sarah Creem-Regehr, Jeanine Kelly Stefanucci, 2016-04-19 This book provides an introduction to human visual perception suitable for readers studying or working in the fields of computer graphics and visualization, cognitive science, and visual neuroscience. It focuses on how

computer graphics images are generated rather than solely on the organization of the visual system itself therefore the text provides a more direct tie between image generation and the resulting perceptual phenomena It covers such topics as the perception of material properties illumination the perception of pictorial space image statistics perception and action and spatial cognition

Visual Perception Nicholas Wade, Mike Swanston, 2013-03-05 Does the world appear the same to everyone Does what we know determine what we see Why do we see the world as we do Vision is our most dominant sense From the light that enters our eyes to the complex cognitive processes that follow we derive most of our information about what things are where they are and how they move from our vision Visual Perception takes a refreshingly different approach to this enigmatic sense From the function that vision serves for an active observer to the history of visual perception itself the third edition has been extensively revised updated and expanded while still preserving the essential features of historical context neurophysiology and independent thought that made the earlier editions so engaging Covering the perception of location motion object recognition and with up to date information on the workings of the visual brain the 3rd edition looks at how our ideas have been shaped not just by psychology but by art optics biology and philosophy The emphasis on understanding vision as a basis for action in the real world has also been expanded to cover seeing representations of all sorts whether they are pictures or computer generated displays The 3rd Edition of Visual Perception is a readable accessible and truly relevant introduction to the world of perception and will be welcomed by students of visual perception as well as anyone with a general interest in the mysteries and wonder of vision

Visual Perception Nicholas J. Wade, Michael Swanston, 2013 Vision is our most dominant sense From the light that enters our eyes to the complex cognitive processes that follow we derive most of our information about what things are where they are and how they move from our vision

Cambridge Textbook of Neuroscience for Psychiatrists Mary-ellen Lynall, Peter B. Jones, Stephen M. Stahl, 2023-11-16 A comprehensive practical and highly illustrated resource on neuroscience relating to clinical psychiatric practice The book will appeal to trainee and consultant psychiatrists lecturers mental health nurses prescribing nurses and nurse practitioners clinical psychologists neuroscientists and postgraduate students studying neuroscience

Introduction to Biopsychology Andrew P. Wickens, 2021-10-13 Understand the foundations of biological psychology and explore the stories behind important discoveries in the field Everything you need to know about brain and behaviour from sensory systems eating disorders and sleep to drugs language and memory This fourth edition has been fully updated throughout and includes new figures and diagrams revised learning features and clear explanations of over 330 key terms Includes The latest research on the neural basis of mental illness degenerative diseases and genetics Key Figure and Special Interest boxes spotlight interesting researchers studies and discoveries of conditions End of chapter MCQs test understanding and support your preparation for assessments 250 full colour diagrams and figures illustrate the key concepts in each chapter Supported by online teaching and learning resources including drag and drop exercises for students an instructor's manual testbank

and PowerPoint slides Introduction to Biopsychology is essential reading for all Psychology students studying biological psychology *Carpenter's Neurophysiology* Dunecan Massey, Nick Cunniffe, Imran Noorani, 2022-02-14 Neurophysiology A Conceptual Approach offers a refreshing alternative to learning by rote Under new authorship the sixth edition preserves the legacy of the original author the late Roger Carpenter retaining the concise approach and readable style so central to its predecessors Integrating the disciplines of neurology and neuroscience with an emphasis on principles and functional concepts this comprehensive textbook covers the entire subject of neurophysiology from the conduction of nerve impulses to the higher functions of the brain within a single accessible volume Key Features Everything the student of medicine or physiology needs to understand neurophysiology Blends successfully the principles of neuroscience with clinical manifestations in line with modern undergraduate curriculums Revised and updated with a particular focus on proprioception skin sense and hearing including developments in cochlear implants and functional MRI Over 500 illustrations accompanied by full figure legends also available as a download for use in presentations Choice of PB with bundled ebook durable HB or ebook only for complete flexibility Full of explanatory colour diagrams the book remains an unrivalled one stop shop for students of medicine physiology and applied physiology neurophysiology neuroscience and other bioscience disciplines seeking an integrated introduction to the challenging disciplines of neuroscience and neurology

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