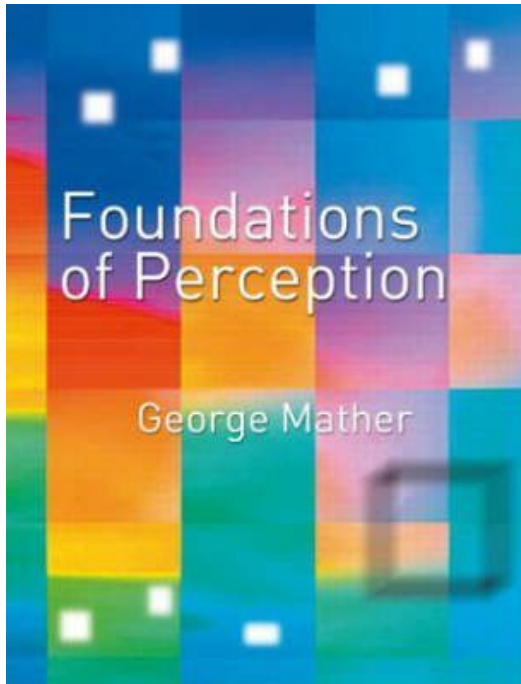


Foundations of Perception Online eBook by George Mather



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Plot:

This clear and balanced introduction to perception examines all the major and minor senses, including vision, hearing, touch, balance, taste, and smell. It provides the reader with a thorough analysis of our perceptual experience, how it relates to the physical properties of the world, and how it is linked to the biological properties of the brain. In addition to covering all material essential to understanding the functioning of the senses, each chapter also includes a 'Tutorials' section. This provides an opportunity for more advanced students to explore supplementary information on recent or controversial developments in subjects such as: the physics and biology of audition; shape and object perception; and mathematics and computational modelling in modern perceptual research. Individual variations in perception are also considered, as are potential sources of difference such as age, sex, expertise and culture. This book will be an invaluable resource for those studying psychology and neuroscience, enabling the reader to achieve a firm grasp of current knowledge concerning the complex processes that underlie our perception of the world.

"Foundations of Perception" is supported by a tailor-made Student Learning Program and Instructor Resources. The student website includes our

Perception Student Learning Program (Perception SLP), which offers a unique and innovative approach to study. The Perception SLP will be available, on a subscription basis, to departments adopting "Foundations of Perception" by George Mather. Each chapter from "Foundations of Perception" is condensed into a concise summary version, providing an effective set of revision notes. These notes also expand on and elucidate the book's content, and cite page number references to the textbook. 'Must know' information is presented in clear accessible style along with sections to stretch more advanced students. The notes also provide an integrative framework for a range of interactive multimedia materials and features, including: animations and simulations of key perceptual phenomena; fill-in-the-blank questions; multiple-choice questions; key-term definitions; research studies; short-essay questions; links to related websites; and Instructor Resources.

We offer web-based, password-protected resources free of charge to instructors who recommend "Foundations of Perception" by George Mather. These resources include: a comprehensive chapter-by-chapter slideshow lecture course; and a set of short-answer questions per chapter to stimulate discussion.

Related info:

About George Mather

George Mather is Professor of Experimental Psychology at the University of Sussex.

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Review quote

In short, students who master the material presented in this book will have an excellent grasp of sensation and perception. In addition to a thorough presentation of the topics of interest, Mather has included some excellent pedagogical features that put this book in a class by itself. Each chapter features excellent and well-labeled figures, tables, or photographs. Although it is not part of the book per se, the Perception Student Learning Program (PSLP) also deserves mention. Would I use it for my S&P course? The answer is a resounding yes. I heartily recommend it to all faculty and students. Stephen F. Davis, in PsycCRITIQUES, July 2006, apa.org/psyccritiques 'George Mather's Foundations of Perception is the best text on perception in a long time. It presents the basics in an accessible and engaging manner. All the most recent advances in research are here as well, covered as thoroughly as in any reference text, but much more readable in the broad context of the book. Foundations of Perception is an excellent fit for an introductory course on

sensation and perception, outshining others in its range, depth, and clarity. It would be equally at home in an upper level course as a complement to a series of original articles.' - Professor Patrick Cavanagh, Vision Sciences Laboratory, Harvard University 'I found George Mather's book Foundations of Perception to be very comprehensive: it covers everything one expects in a textbook on perception and then some. I especially liked the chapters on parts of the perceptual system that are sometimes neglected by other texts. The overview at the beginning is excellent, preparing the student for the diverse methodologies that are then explained in greater detail in the main body of the text. The tutorials will be useful to students wishing to use the book as a serious study aid.' - Professor Laurence Harris, York University, Canada 'How the mind works cannot be studied without knowing what our senses actually tell our brain, what they don't tell it, and what our brain can actually do with that information. In this long awaited book, George Mather has made sense of the senses. The book will prove to be most helpful for students, academics and professionals in many disciplines, as well as everyone who wants to know all about how we perceive the world.' - Frans A. J. Verstraten, Professor of Cognitive Psychology, University of Utrecht, The Netherlands" In short, students who master the material presented in this book will have an excellent grasp of sensation and perception. In addition to a thorough presentation of the topics of interest, Mather has included some excellent pedagogical features that put this book in a class by itself. Each chapter features excellent and well-labeled figures, tables, or photographs. Although it is not part of the book per se, the Perception Student Learning Program (PSLP) also deserves mention. Would I use it for my S&P course? The answer is a resounding yes. I heartily recommend it to all faculty and students. Stephen F. Davis, in PsycCRITIQUES, July 2006, apa.org/psyccritiques 'George Mather's Foundations of Perception is the best text on perception in a long time. It presents the basics in an accessible and engaging manner. All the most recent advances in research are here as well, covered as thoroughly as in any reference text, but much more readable in the broad context of the book. Foundations of Perception is an excellent fit for an introductory course on sensation and perception, outshining others in its range, depth, and clarity. It would be equally at home in an upper level course as a complement to a series of original articles.' - Professor Patrick Cavanagh, Vision Sciences Laboratory, Harvard University 'I found George Mather's book Foundations of Perception to be very comprehensive: it covers everything one expects in a textbook on perception and then some. I especially liked the chapters on parts of the perceptual system that are sometimes neglected by other texts. The overview at the beginning is excellent, preparing the student for the diverse methodologies that are then explained in greater detail in the main body of the text. The tutorials will be useful to students wishing to use the book as a

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