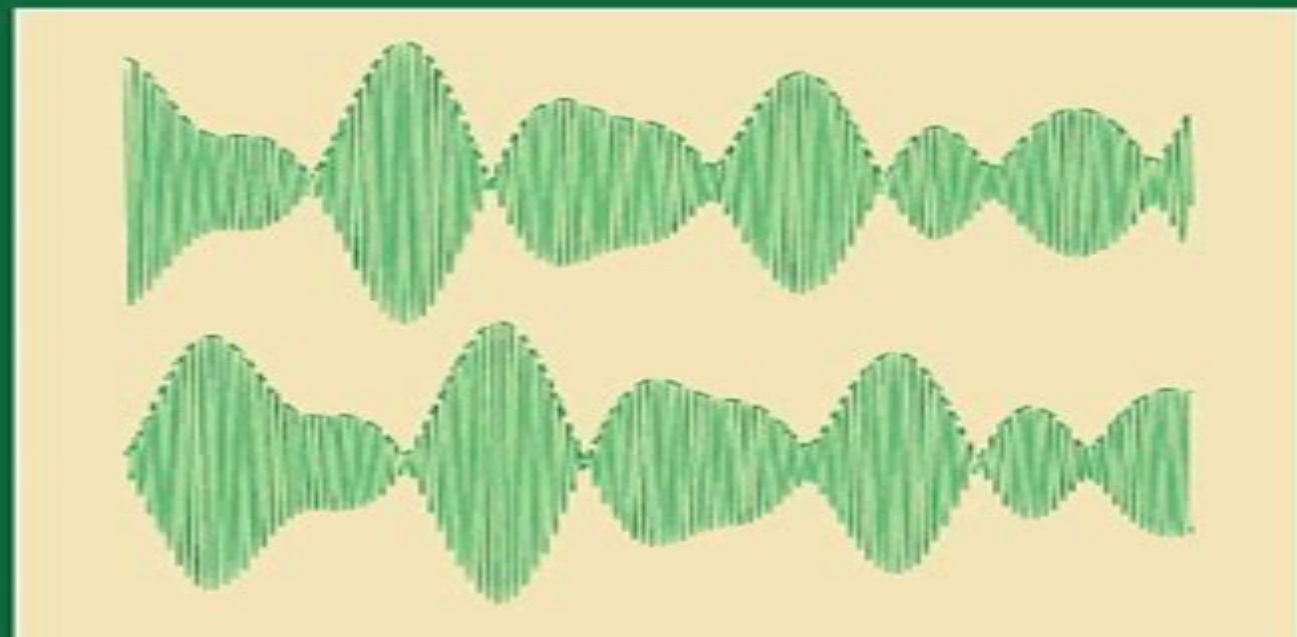


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each topic **The Handbook of Brain Theory and Neural Networks** Michael A. Arbib, 2003 This second edition presents the enormous progress made in recent years in the many subfields related to the two great questions how does the brain work and How can we build intelligent machines This second edition greatly increases the coverage of models of fundamental neurobiology cognitive neuroscience and neural network approaches to language Midwest **Oxford Handbook of Developmental Behavioral Neuroscience** Mark Samuel Blumberg, John Henry Freeman, Scott R. Robinson, 2010 *The Journal of Experimental Biology*, 2007 Auditory Perception of Sound Sources William A Yost, Arthur N Popper, Richard R Fay, 2016-04-01 The Springer Handbook of Auditory Research presents a series of comprehensive and synthetic reviews of the fundamental topics in modern auditory research The volumes are aimed at all individuals with interests in hearing research including advanced graduate students postdoctoral researchers and clinical investigators The volumes are intended to introduce new investigators to important aspects of hearing science and to help established investigators to better understand the fundamental theories and data in fields of hearing that they may not normally follow closely Each volume presents a particular topic comprehensively and each serves as a synthetic overview and guide to the literature As such the chapters present neither exhaustive data reviews nor original research that has not yet appeared in peer reviewed journals The volumes focus on topics that have developed solid data and a strong conceptual foundation rather than on those for which a literature is only beginning to develop New research areas will be covered on a timely basis in the series as they begin to mature Representation of Auditory Space by Cortical Neurons in Awake and Anesthetized Cats Brian James Mickey, 2004 Perspectives on Auditory Research Arthur N. Popper, Richard R. Fay, 2014-03-22 Perspectives on Auditory Research celebrates the last two decades of the Springer Handbook in Auditory Research Contributions from the leading experts in the field examine the progress made in auditory research over the past twenty years as well as the major questions for the future *Fundamentals of Hearing* William A. Yost, 1994 The third edition of Yost's introductory book on hearing this edition completely updates and expands the fundamental facts about hearing the stimulus of sound the anatomy and physiology of the auditory system and the perception of sound **Auditory Perception of Sound Sources** William A. Yost, 2008 Auditory Perception of Sound Sources covers higher level auditory processes that are perceptual processes The chapters describe how humans and other animals perceive the sounds that they receive from the many sound sources existing in the world This book will provide an overview of areas of current research involved with understanding how sound source determination processes operate This book will focus on psychophysics and perception as well as being relevant to basic auditory research Contents Perceiving Sound Sources An Overview William A Yost Human Sound Source Identification Robert A Lutfi Size Information in the Production and Perception of Communication Sounds Roy D Patterson David R R Smith Ralph van Dinther and Tom Walters The role of memory in auditory perception Laurent Demany and Catherine Semal Auditory Attention and Filters Ervin R Hafer Anastasios Sarampalis and Psyche Loui Informational masking Gerald Kidd Jr

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