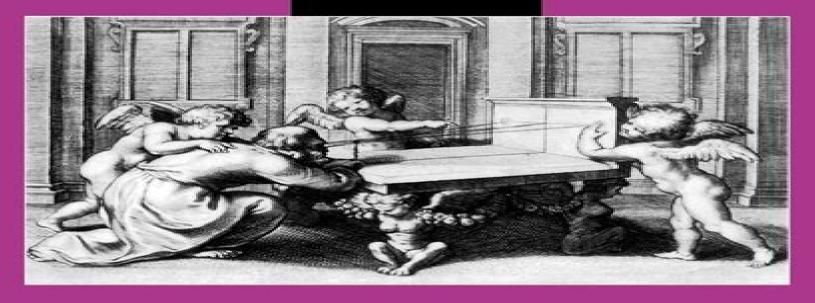
FUNDAMENTALS OF COGNITIVE NEUROSCIENCE



The Cognitive Neuroscience of Vision

MARTHA J. FARAH



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Fundamentals of Cognitive Neuroscience Bernard Baars, Nicole M. Gage, 2013 This introductory text offers a comprehensive and easy to follow guide to cognitive neuroscience Chapters cover all aspects of the field the neural framework sight sound consciousness learning memory problem solving speech executive control emotions socialization and development in a student friendly format with extensive pedagogy and ancillaries to aid both the student and professor Throughout the text case studies and everyday examples are used to help students understand the more challenging aspects of the material Essentials of Cognitive Neuroscience Bradley R. Postle, 2020-05-27 Essentials of Cognitive Neuroscience introduces and explicates key principles and concepts in cognitive neuroscience in such a way that the reader will be equipped to critically evaluate the ever growing body of findings that the field is generating For some students this knowledge will be needed for subsequent formal study and for all readers it will be needed to evaluate and interpret reports about cognitive neuroscience research that make their way daily into the news media and popular culture The book seeks to do so in a style that will give the student a sense of what it s like to be a cognitive neuroscientist when confronted with a problem how does one proceed How does one read and interpret research that s outside of one s sub area of specialization How do two scientists advancing mutually incompatible models interrelate Most importantly what does it feel like to partake

in the wonder and excitement of this most dynamic and fundamental of sciences **Fundamentals of Cognitive Science** Thomas Hardy Leahey, 2022-07-19 Fundamentals of Cognitive Science draws on research from psychology philosophy artificial intelligence linguistics evolution and neuroscience to provide an engaging and student friendly introduction to this interdisciplinary field While structured around traditional cognitive psychology topics from attention learning theory and memory to information processing thinking and decision making the book also looks at neural networks cognitive neuroscience embodied cognition and magic to illustrate cognitive science principles. The book is organized around the history of thinking about the mind and its relation to the world It considers the evolution of cognition and how it demonstrates how our current thinking about cognitive processes is derived from pre scientific philosophies and common sense through psychologists empirical inquiries into mind and behavior as they pursued a science of cognition and the construction of artificial intelligences The architectures of cognition are also applied throughout and the book proposes a synthesis of them from traditional symbol system architectures to recent work in embodied cognition and Bayesian predictive processing Practical and policy implications are also considered but solutions are left for the readers to determine Using extended case studies to address the most important themes ideas and findings this book is suitable for upper level undergraduate and graduate courses in psychology and related fields It is also suitable for general readers interested in an accessible treatment of cognitive science and its practical implications Please visit www fundamentalsofcognitivescience com for further resources to accompany the book The Cognitive Neurosciences Michael S. Gazzaniga, 2009-09-18 The fourth edition of The Cognitive Neurosciences continues to chart new directions in the study of the biologic underpinnings of complex cognition the relationship between the structural and physiological mechanisms of the nervous system and the psychological reality of the mind The material in this edition is entirely new with all chapters written specifically for it Book Attention Addie Johnson, Robert W. Proctor, 2004 Attention Theory and Practice provides a balance between a **Tacket** readable overview of attention and an emphasis on how theories and paradigms for the study of attention have developed The book highlights the important issues and major findings while giving sufficient details of experimental studies models and theories so that results and conclusions are easy to follow and evaluate Rather than brushing over tricky technical details the authors explain them clearly giving readers the benefit of understanding the motivation for and techniques of the experiments in order to allow readers to think through results models and theories for themselves Attention is an accessible text for advanced undergraduate and graduate students in psychology as well as an important resource for researchers and practitioners interested in gaining an overview of the field of attention Fundamentals of Developmental Cognitive Neuroscience Heather Bortfeld, Silvia A. Bunge, 2024-02-01 An exciting introduction to the scientific interface between biological studies of the brain and behavioural studies of human development The authors trace the field from its roots in developmental psychology and neuroscience and highlight some of the most persuasive research findings before anticipating

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