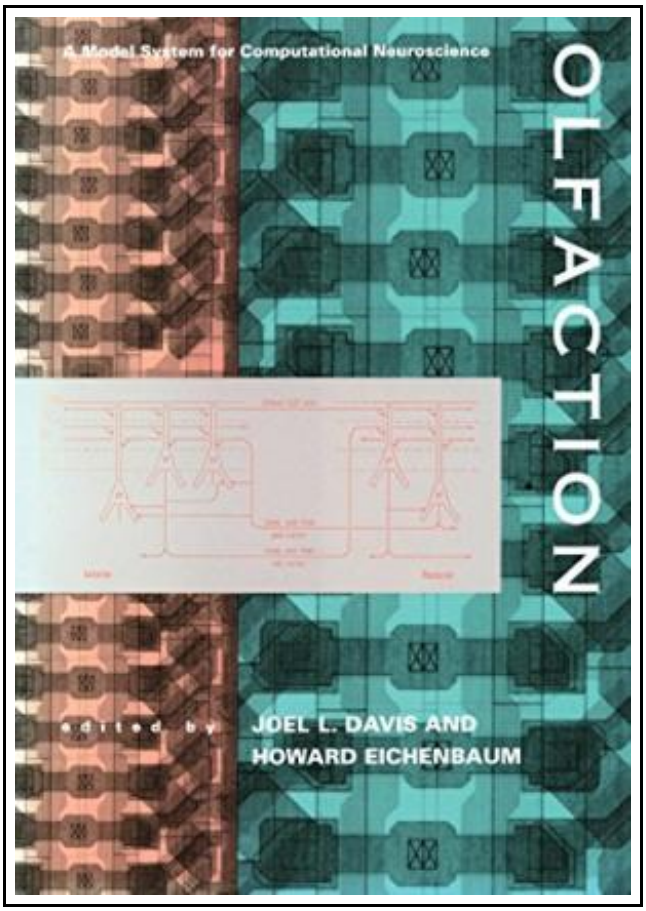
Olfaction: A Model System for Computational Neuroscience



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Reviews

A superior quality publication and the font employed was exciting to read through. It is among the most awesome book i have read. I am effortlessly could get a enjoyment of reading a created publication.

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OLFACTION: A MODEL SYSTEM FOR COMPUTATIONAL NEUROSCIENCE

Bradford Book. Paperback. Book Condition: New. Paperback. 331 pages. Dimensions: 9.9in. x 7.1in. x 0.7in.Computational neuroscientists have recently turned to modeling olfactory structures because these are likely to have the same functional properties as currently popular network designs for perception and memory. This book provides a useful survey of current work on olfactory system circuitry, including connections of this system to brain structures involved in cognition and memory, and describes the computational models of olfactory processing that have been developed to date. Contributions cover empirical investigations of the neurobiology of the olfactory systems (anatomy, physiology, synaptic plasticity, behavioral physiology) as well as the application of computer models to understanding these systems. Fundamental issues in olfactory processing by the nervous systems such as experimental strategies in the study of olfaction, stages of odor processing, and critical questions in sensory coding are considered across empiricalapplied boundaries and throughout the contributions. Joel L. Davis is Program Manager of the Biological Intelligence Section at the Office of Naval Research. Howard Eichenbaum is Professor of Biological Sciences at Wellesley College. Contributors: 1. Fundamental Anatomy, Physiology, and Plasticity of the Olfactory System. Gordon M. Shepherd. John S. Kauer, S. R. Neff, Kathryn A. Hamilton, and Angel R. Cinelli. Kevin L. Ketchum, Lewis B. Haberly. Joseph L. Price, S. Thomas Carmichael, Ken M. Carnes, MarieChristine Clugnet, Masaru Kuroda, and James P. Ray. Michael Leon, Donald A. Wilson, and Kathleen M. Guthrie. Gary Lynch and Richard Granger. Howard Eichenbaum, Tim Otto, Cynthia Wible, and jean Piper. II. Developments in Computational Models of the Olfactory System. DeLiang Wang, Joachim Buhmann, and Christoph von der Marlsburg. Walter Freeman. Richard Granger, Ursula Staubi, Jos Ambrose-Ingersoll, and Gary Lynch. James M. Bower. Dan Hammerstrom and Eric Means. This item ships from multiple locations. Your book may arrive from Roseburg,OR, La Vergne,TN. Paperback.

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