

# Neurodynamics: An Exploration in Mesoscopic Brain Dynamics

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This volume provides an overview of important work carried out by Professor Walter Freeman of the University of Berkeley, California, USA. Collecting together his published works over the last 35 years, it charts his groundbreaking research into perception and other cognitive operations in animals and humans and looks at how this can be applied to computer hardware to provide the foundations for novel - and greatly improved - machine intelligence. It provides a step-by-step description of the concepts and data needed by electrical engineers, computer scientists and cognitivists to understand and emulate pattern recognition in biological systems at a level of competence which has not yet been matched by any form of Artificial Intelligence. It offers a unique blend of theory and experiment and, historically, it also demonstrates the impact of computers on the design, execution, and interpretation of experiments in neurophysiology over the past five decades.

作者介绍:

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