



Neural Codes and Distributed Representations

Foundations of Neural Computation

Edited by

Laurence Abbott

Terrence J. Sejnowski

Neural Codes and Distributed Representations

Computational Neuroscience

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Neural Codes and Distributed Representations

Foundations of Neural Computation

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Since its founding in 1989 by Terrence Sejnowski, *Neural Computation* has become the leading journal in the field. *Foundations of Neural Computation* collects, by topic, the most significant papers that have appeared in the journal over the past nine years.

The present volume focuses on neural codes and representations, topics of broad interest to neuroscientists and modelers. The topics addressed include how neurons encode information through action potential firing patterns, how populations of neurons represent information, and how individual neurons use dendritic processing and biophysical properties of synapses to decode spike trains. The papers encompass a wide range of levels of investigation, from dendrites and neurons to networks and systems.

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