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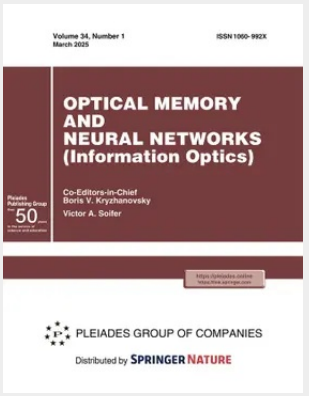
Optical Memory and Neural Networks

(Information Optics)

This journal covers a wide range of issues in information optics, such as optical memory, mechanisms for optical data recording and processing, photosensitive materials, optical and optoelectronic components, and many other related topics. It reports on theoretical researches and applications in different fields, including: data recording, processing and storage with the use of optical and holographic methods; associative memory (including biological memory), mathematical models and implementations of neuron systems for data processing and management; optoelectronic matrix devices and multiple-unit nanostructures for new data processing and storage systems. The journal pays particular attention to research in the field of neural net systems that may, by Endowing computation means with intelligence, lead to a new generation of computing devices.



Auf Anfrage

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9771060992000
Medium: Zeitschrift
ISBN: 977-106099200-0
Verlag: Pleiades Publishing
Erscheinungsweise: vierteljährlich
Sprache(n): Englisch
Produktform: Other printed item