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Title:	Noise tolerant spatiotemporal chaos computing
Authors:	Sinha, Sudeshna (/jspui/browse?type=author&value=Sinha%2C+Sudeshna)
Keywords:	Spatiotemporal Chaos Noise tolerant
Issue Date:	2014
Publisher:	American Institute of Physics
Citation:	Chaos, 24(4)
Abstract:	We introduce and design a noise tolerant chaos computing system based on a coupled map lattice (CML) and the noise reduction capabilities inherent in coupled dynamical systems. The resulting spatiotemporal chaos computing system is more robust to noise than a single map chaos computing system. In this CML based approach to computing, under the coupled dynamics, the local noise from different nodes of the lattice diffuses across the lattice, and it attenuates each other's effects, resulting in a system with less noise content and a more robust chaos computing architecture.
Description:	Only IISERM authors are available in the record.
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