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Chaos Anti-control and Chaos-Based Encryption Algorithms

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Message from the Guest Editors

Chaos anti-control and chaos-based encryption have always been topics of much concern in scientific community. Chaos anti-control which refers to the generation of chaos in dynamical systems using control methods provides more and better chaotic signals for improving the performance of chaos-based encryption. The development and establishment of chaos anti-control theory is an important way to expand the engineering application of chaos. The requirements of new dynamical behaviors (such as hidden attractors, coexisting attractors, multi-scroll attractors) pose new challenges to chaos anti-control. Chaos-based image and information encryption is one of the most important applications of chaos. It has gained new momentum with the rapid development of big data and cyberspace security. Currently scholars at home and abroad still show great enthusiasm for the design and implementation of chaos anti-control and chaos-based encryption algorithms.

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Message from the Editor-in-Chief

Algorithms are the very core of Computer Science. The whole area has been considered from quite different perspectives, having led to the development of many sub-communities: Complexity theory (limitations), approximation or parameterized algorithms (types of problems), geometric algorithms (subject area), metaheuristics, algorithm engineering, medical imaging (applications), indicates the range of perspectives. Our journal welcomes submissions written from any of these perspectives, so that it may become a forum for exchange of ideas between the corresponding scientific subcommunities.

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