

# Discontinuity, Nonlinearity, and Complexity

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*An Interdisciplinary Journal of*  
**Discontinuity,  
Nonlinearity,  
and Complexity**

Volume 10, Issue 1, March 2021

Editors  
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L&H Scientific Publishing, LLC, USA

## **Publication Information**

*Discontinuity, Nonlinearity, and Complexity* (ISSN 2164-6376 (print), eISSN 2164-6414 (online)) is published quarterly (March, June, September, and December) by L & H Scientific Publishing, LLC, 25 Glen Ed Professional Park, Glen Carbon, IL62034, USA. Subscription prices are available upon request from the publisher or from this journal website. Subscriptions are accepted on a prepaid basis only and entered on a calendar year basis. Issues are sent by standard mail (Surface in North America, air delivery outside North America). Priority rates are available upon request. Claims for missing issues should be made within six months of the date of dispatch.

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- Nonlinear discrete systems and symbolic dynamics
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- Complexity, self-similarity and synchronization
- Complex nonlinear phenomena in physical systems
- Stability, bifurcation and chaos in complex systems
- Turbulence and other complex phenomena in hydrodynamics
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- Dynamical networks
- Combinatorial aspects of dynamical systems
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- Pattern formation, social science and complexization

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