

Accepted Manuscript

Geometry of Escaping Dynamics in Nonlinear Ship Motion

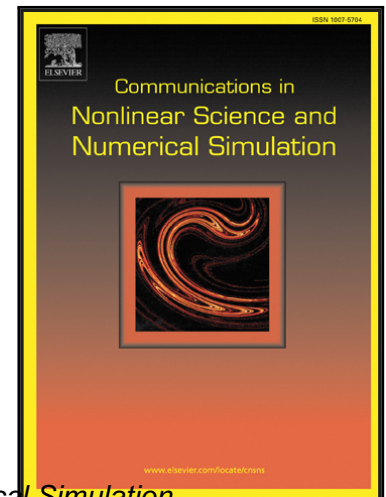
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PII: S1007-5704(16)30360-4
DOI: [10.1016/j.cnsns.2016.10.021](https://doi.org/10.1016/j.cnsns.2016.10.021)
Reference: CNSNS 4014

To appear in: *Communications in Nonlinear Science and Numerical Simulation*

Received date: 21 September 2016
Revised date: 27 October 2016
Accepted date: 28 October 2016

Please cite this article as: Shibabrat Naik, Shane D. Ross, Geometry of Escaping Dynamics in Nonlinear Ship Motion, *Communications in Nonlinear Science and Numerical Simulation* (2016), doi: [10.1016/j.cnsns.2016.10.021](https://doi.org/10.1016/j.cnsns.2016.10.021)



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Highlights

- Escape from a potential well as a framework for catastrophic events in dynamical systems.
- Geometric approach of finding phase space structures that lead to escape.
- Tube dynamics for studying escape in multi-degree of freedom Hamiltonian systems.
- Robustness of tube dynamics to random forcing in predicting escape from a potential well.

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