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Additive noise driven phase transitions in a predator-prey system

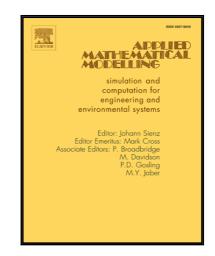
Canrong Tian, Ling Lin, Lai Zhang

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Highlights

- Formulate a predator-prey model with additive noise
- Perform bifurcation analysis of stochastic differential equations
- \bullet Derive sufficient and necessary condition for occurrence of phase transition
- Disclose the second transition from spiral wave to chaos numerically



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