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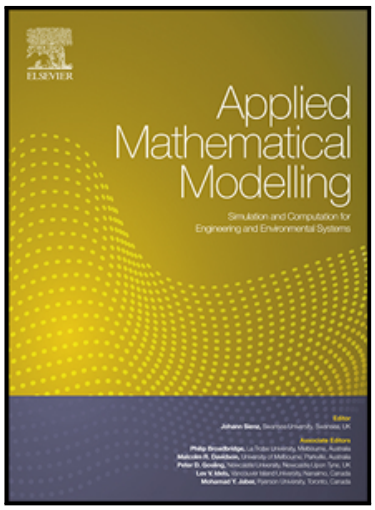

Stochastic prey-predator system with foraging arena scheme

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Highlights

- The stochastic foraging arena prey-predator model is studied;
- The stochastic system is obtained by introducing two independent Brownian motions;
- The long-time behaviours and the stationary distribution are investigated.

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