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Turing–Hopf bifurcations in a predator–prey model with herd behavior,
quadratic mortality and prey-taxis

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Highlights

- . A diffusive predator-prey model with herd behavior and prey-taxis is proposed.
- . The stability and bifurcation of the positive equilibrium of the model is analyzed.
- . A branch of stable nonconstant solutions bifurcating from the positive equilibrium is obtained.

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