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Interactive effects of prey refuge and additional food for predator in a diffusive predator-prey system

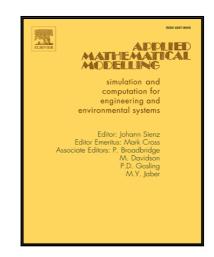
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Highlights

- Different types of Turing patterns are obtained.
- Additional food cannot control the prey population when prey refuge is high.
- Low prey refuge and low additional food make spatial distribution complex.
- Low prey refuge and appropriate additional food can control prey (pest).

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