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The Interaction between Predator Strategy and Prey Competition in a pair of Multi-Predator Multi-Prey Lattices

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Highlights

- A numerical study of a deterministic, discrete multi-dimensional predator-prey system.
- We determine the optimal degree of predator focus according to prey phenotype subpopulation.
- In a single predator phenotype environment, a linear degree of focus is optimal.
- For multiple predator phenotypes, least or most focused survive dependent on consumption rate.
- Weighting of prey competition affects internal dynamics more than average properties.

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