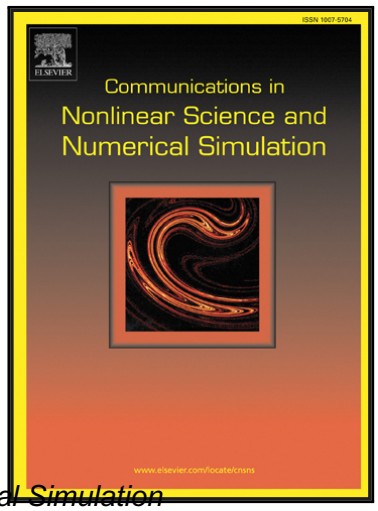

Long-range Patterns in Hindmarsh-Rose Networks

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Highlights

- Power-law Long-range interactions are included in a Hindmarsh-Rose neural network.
- Modulational instability is addressed both analytically and numerically.
- Quasi-periodic states are found for weak long-range coupling.
- Disordered and chaotic-like states emerge for strong long-range coupling.