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Memory-based snowdrift game on a square lattice

Feng Shu, Xingwen Liu, Kai Fang, Hao Chen

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## Highlights

- Based on the new memory-based method, a high cooperation level simultaneously emerges for both small and large cost-to-benefit ratios.
- The constant-size memory can promote the evolution of cooperation, but the size-varying memory not.
- Spatial reciprocity holds in the snowdrift game with new memory-based method.
- All results are validated in the regular network with different memory sizes.

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