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Best response game of traffic on road network of non-signalized intersections

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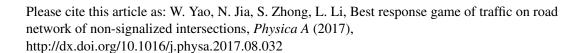
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Highlights

- 1. A cellular automata model of non-signalized intersections is proposed.
- 2. Best response is used as strategy update rule.
- 3. Cooperation rate shows staircase shape and is explained by analytical methods.
- 4. Defection behavior deteriorates the efficiency of traffic on non-signalized intersections.
- 5. The traffic system experiences more randomness when the density is low.

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