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Effects of the design of waiting areas on the dynamic behavior of queues at signalized intersections

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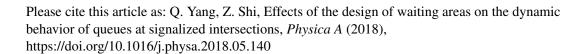
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Highlights

- 1. Develop a stochastic queueing model to measure the dynamic behavior of queues.
- 2. Formulate the statistical distributions of queue length along with the time.
- 3. Evaluate the formation of maximum queue length during a cycle.
- 4. Clarify the effects of waiting areas on the queue formation and dissipation.

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