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Modeling and simulation of driver's anticipation effect in a two lane system on curved road with slope

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*Highlights (for review)

Research Highlights:

1. A lattice model for curved road with slope in a two lane system is proposed.
2. The effect of slope on traffic flow in curved road is examined by stability analysis.
3. Jamming transitions are analyzed through MKdV equation.
4. The effect of slope on traffic dynamics is investigated via simulation.

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