

## A New Car-Following Model with Consideration of the Brake Light

**Authors :** Zhiyuan Tang, Ju Zhang, Wenyuan Wu

**Abstract :** In this research, a car-following model with consideration of the status of the brake light is proposed. The numerical results show that the stability of the traffic flow is improved. The ability of the brake light to reduce car accident is also showed.

**Keywords :** brake light, car-following model, traffic flow, regional planning, transportation

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