

The Prediction of Effective Equation on Drivers' Behavioral Characteristics of Lane Changing

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Abstract : According to the increasing volume of traffic, lane changing plays a crucial role in traffic flow. Lane changing in traffic depends on several factors including road geometrical design, speed, drivers' behavioral characteristics, etc. A great deal of research has been carried out regarding these fields. Despite of the other significant factors, the drivers' behavioral characteristics of lane changing has been emphasized in this paper. This paper has predicted the effective equation based on personal characteristics of lane changing by regression models.

Keywords : effective equation, lane changing, drivers' behavioral characteristics, regression models

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