

大客車心理物理行為門檻模式之駕駛模擬器場景建置

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摘要

The car following model of bus driver's psycho-physical behavior is the basis of bus rear end collision warning system (RCWS) development and driving safety spacing rule regulation. The threshold equations and parameters of psycho-physical behavior model can also be developed by the bus driving simulator deployment and the simulation analysis. Since the planning and design of simulation experiment scenario is a key element for the success of bus driving simulation analysis, This study planned and designed the driving simulation scenario for developing a bus car following psycho-physical behavior threshold model on freeway straight road section based on the characteristics of bus driving simulator. The results of this study can be a useful basis for developing the bus psycho-physical behavior threshold model in Taiwan.

關鍵字：Bus, Rear End Collision Warning System (RCWS), Driving Safety Spacing, Driving Simulator, Psycho-Physical Behavior Threshold Model.