

## Intelligent Control Design of Car Following Behavior Using Fuzzy Logic

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**Abstract :** A reference model based control approach for improving behavior following car is proposed in this paper. The reference model is nonlinear and provides dynamic solutions consistent with safety constraints and comfort specifications. a robust fuzzy logic based control strategy is further proposed in this paper. A set of simulation results showing the suitability of the proposed technique for various demanding scenarios is also included in this paper.

**Keywords :** reference model, longitudinal control, fuzzy logic, design of car

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