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Slope Limit for Car with Caravan Combo

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Acknowledgement

First of all, we are very grateful to Allah the Almighty that has enabled us to complete this 'final project' report assigned to us by The Faculty of Mechanical Engineering, in order to receive our Diploma in Mechanical Engineering (Automotive). Without it we don't think that this report will be a success and be ready in time.

Secondly, we would like to wish a very thank you to our advisor Pn. Mimi Azlina bt Abu Bakar because of her precious guidance and help to accomplish this final project. And not just that, her leadership as a lecturer who's dedicated and high disciplines makes her as a role model to us to do our best in any field we entered. Thanks again.

Not forget to the Engineer, Engineering Services Centre at SIRIM Berhad, Ir. Ramlan Kasiran who gives us all the support. With all his experience and knowledge that he possessed, he teaches us to understand clearly about the adhesion and traction limit that a car with a carayan combo.

Thank you to all staff in the Faculty of Mechanical Engineering that gives all the co-operation. They give us all the important information that we really need to finish this report. Although they all are busy with their own work, they can spend a few minutes to entertain us with the information needed. It is short time but it is very valuable to us because their experience really opens our mind about this topic.

Other than that, we are wishing to thank you to our beloved parents that helped us heart and soul that trying their best to make us be a better person in the future and give us courage to continue study and to be successful in life.

Thank you.

Abstract

This project aim to study about the limitation angle of a slope that car with caravan combo can climb-up.

The limitation angle is absolutely different for all kind of drives. The vehicle can be front wheel drive, rear wheel drive or four wheels drives. The limitation angle, θ_L is the limit that a car with caravan combo can climb-up. If the slope is over than limitation angle, θ_L , the car with caravan combo starts to slide down.

From this study, we prefer the formula for limitation angle, θ_L , by combining all data and basic principle that we get.

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