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Slope Limit for Car with Caravan Combo

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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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