

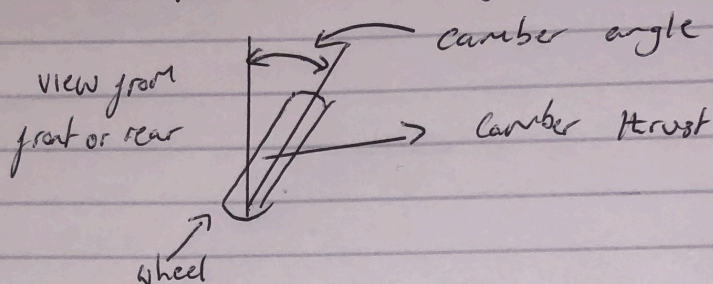
14/05/20 - 1pm

ANDREW WHITE 1803827

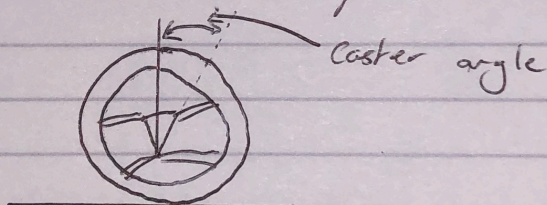
VEHICLE TECHNOLOGY M4X00394

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- (i) (i) Camber is the angle between the ~~vehicle~~ ^{vertical} ~~vertical~~ axis of the steering wheels and the vertical axis of the vehicle. It creates camber thrust which can increase lateral grip up to a point where reducing the contact patch reduces grip available.

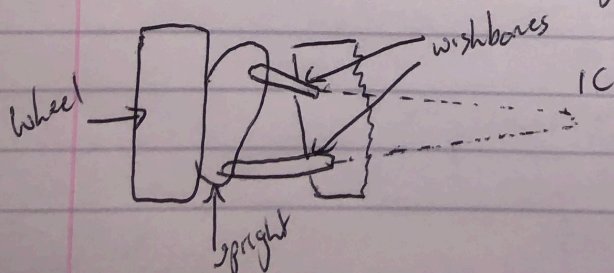


- (ii) Caster angle is the angular displacement of the steering axis from the vertical axis of the steered ~~steer~~ wheel.



It yields self centre torque and increases stability. However, it also yields large caster trail which makes steering heavier.

- (iii) Instant centre is the point at which the suspension rotates at that point in time. It is effectively the ~~steering axis~~ pivot point of the linkage system.



The lateral position of the IC changes camber change with bump. High or low IC increases scrub.