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S&W begins every chassis design or new car build with those requirements in mind. “ We have a set way we like to hook our rear suspension components to the chassis that we use. The rear of the car we generally try to have it as wide as we can to get the biggest tire under the car as possible.

~~Garage Built: Building Your Own Chassis With S&W Race Cars~~

A chassis and suspension system is all designed around the concept of load paths, that is, when a force is applied at one point how does that force move throughout the system.

~~Chassis Geometry 101: Engineering Speed~~

gStreet Camaro Chassis. Built upon our bolt-in, fabricated front subframe and triangulated 4-link rear frame, Chassisworks ultimate Camaro chassis is a complete solution for high-horsepower, big-tire, street/track machines willing to take the leap to the next level of performance. More Info

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Suspension plays a major role during race car racing. Generally, in race a car, double wishbone suspension with either pullrod or pushrod is used owing to ease of design and lighter components...

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~~DESIGN OF SUSPENSION SYSTEM FOR FORMULA STUDENT RACE CAR~~

Drag Race Rear Suspensions The demands of drag racing created a few interesting twists on the factory rear suspension designs. The most popular drag race rear suspension is the ladder bar combined...

~~Rear Suspension Guide — Car Craft Magazine~~

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In this episode, I summarize the design of the suspension. The car uses a lot of parts from an old VW Beetle which puts a limit on how good the vehicle dynam...

~~Suspension Part 1: Design — YouTube~~

There's more to suspension design than roll centres, wheel rates and camber curves. It gives a much higher level insight to suspension and chassis design than even Carroll's earlier books - above undergraduate level. It's the difference between a five body model and a 2D analysis.

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The second chapter, focusing on suspension design, is an introduction to this complex and fascinating subject. Topics covered include chassis stiffness and flexibility, suspension tuning on the cornering of a Winston Cup race car, suspension kinematics, and vehicle dynamics of road racing cars.

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