Abstract

The suspension basically comprises of a linkage which is a 3D mechanism SRRS (Spherical, Revolute, Revolute, Spherical). On the basis of six included angles of this four bar chain, position of kingpin axis is determined. Once the position of kingpin axis is decided corresponding steering parameters can be determined. In such complex phenomenon involving non-linear kinematics where validation of experimental data based models is not in close proximity, it becomes necessary to formulate Artificial Neural Network (ANN) Simulation of the observed data. The paper detailed about the steering geometry and formulation of Artificial Neural Network (ANN) simulation.

References
Investigation of Steering Parameters using Artificial Neural Network Simulation


Index Terms

Computer Science
Neural Networks

Keywords
Camber Angle
Caster Angle
Kingpin Angle
Steering Geometry
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