

Manuscript ID : 00000-47537

International Journal of Mechanical Engineering and Technology

Volume 8, Issue 5, May 2017, Pages 249-264, Page Count - 16



Source ID : 00000002

## DOUBLE WISHBONE SUSPENSION SYSTEM

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### Abstract

*Suspension system plays a crucial role in the handling of the vehicle. It helps the driver to maneuver the vehicle. The main function of suspension is to make sure that the driver feels comfortable while riding the car and the forces are damped to prevent chassis from getting damaged. Suspension helps to keep the tires in contact with ground when they encounter any bump on their way. Thus suspension is used in automobiles. This paper mainly concentrates on the design of the suspension for a formula car, modifying the mounting points, analyzing of the forces which are to be damped by the suspension.*

### Author Keywords

Pushrods, Rocker Arms, Sprung Masses, Unsprung Masses

### Index Keywords

Suspension, Sprung, Mass of the vehicle, Providing comfort

**ISSN Print:** 0976-6340

**Source Type:** Journals

**Publication Language:** English

**Abbreviated Journal Title:** IJMET

**Publisher Name:** IAEME Publication

**Major Subject:** Physical Sciences

**Subject area:** Mechanical Engineering

**ISSN Online:** 0976-6359

**Document Type:** Journal Article

**DOI:**

**Access Type:** Open Access

**Resource Licence:** CC BY-NC

**Subject Area classification:** Engineering and Technology

**Source:** SCOPEDATABASE

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