

International Journal of Advanced Mechanical Engineering

Volume 8, Number 1 (2018)

Contents

- Evaluation of the Mechanical Properties on Aluminium Alloy
2024 -Fly Ash Metal Matrix Composite** 1-11
*B V Subrahmanyam¹, S V Gopla Krishna²,
Ch.Lakshmi Pornima³, A.Srinivasa Rao⁴*
- Dynamic Behavior of a Structure using MR Fluid Damper** 13-24
G. Sailaja¹ N. Seetharamaiah² and Maganti Janardhana³
- A Review on Significant Parameters and Exhaust Emissions of
Four Stroke Copper Coated SI Engine with Alcohol Blended
Gasoline through Catalytic Converter** 25-38
¹D.Baswaraj, ²P.V.Krishna Murthy, ³K.Prasanna Lakshmi
- Product Performance Parameter (PPP) Improvement of
Inner Tie Rod for Passenger Car** 39-50
Saurabh Saraf¹, U.S. Chavan², Deepak Kulkarni³
- Mathematical Modelling and Simulation of Car Crash Test** 51-59
Abhinav Athalye^{1}, H. G. Phakatkar², U. S. Chavan³ and Deepak Kulkarni⁴*
- Tool Life, Force and Surface Roughness Prediction by
Variable Cutting Parameters for Coated and Uncoated Tool** 61-69
Kuldip A. Baviskar¹, U.S. Chavan² and Deepak Kulkarni³
- Numerical Solution of Non-Darcian Effects on Natural Convection
in a Rectangular Porous Enclosure with Heated Walls** 71-86
*Vikash Kumar^{*1}, Abha Rani² and Ajay Kumar Singh³*

Finite Element Solution for Unsteady Flow of a Third-Grade Fluid between two Plates
J. Nayak, A. K. Nayak, S. Padhy

87-99