Journal of The Institution of Engineers (India): Series C

Volume 96 · Issue 2 · April-June 2015

ORIGINAL CONTRIBUTIONS

Application of Modified Least Squares Method to a Space Curve Generating Mechanism for Optimum Synthesis

J.S. Bal - D.S. Bal 83

A Semi Definite Programming Based Optimization Algorithm for Project Scheduling Problem T. Bakshi · A. Sinharay · B. Sarkar · S.K. Sanyal 89

Concept Design of Cardiovascular Stents Based on Load Identification

O. Liu 99

Concept Design of Trailor Ferry Service to Carry 150 Trailers Between Jacksonville, FL and Bridgeport, CT of USA

S.C. Sindagi · B.S. Sandhu 107

Development of a Thermo-chemical Non-equilibrium Solver for Hypervelocity Flows R. Balasubramanian · K. Anandhanarayanan 119

Effect of Biodiesel on Thermal NO Formation J. Thangaraja · P.S. Mehta 135

Mathematical Modeling of Surface Roughness of Castings Produced Using ZCast Direct Metal Casting

M. Chhabra · R. Singh 145

Numerical Calculation and Exergy Equations of Spray Heat Exchanger Attached to a Main Fan Diffuser H. Cui · H. Wang · S. Chen 157 Optimization of Vehicle Suspension Parameters for Ride Comfort Based on RSM A.C. Mitra · M.V. Patil · N. Baneriee 165

Performance Parameters Analysis of an XD3P Peugeot Engine Using Artificial Neural Networks (ANN) Concept in MATLAB

T. Rangaswamy · S. Vidhyashankar · M. Madhusudan · H.R. Bharath Shekar 175

Single Roller-to-Cam Indexing Mechanisms Providing Two Maximized Dwells: Determination of Cam Pitch Profile for Optimal Designs K.S. Tripathi 183

The Effect of Small Bubbles on Resistance Reduction of Water Flow in Co-axial Cylinders with an Inner Rotating Cylinder

R. Maryami - S. Farahat - M.J. Poor 193

CASE STUDY

An Exploratory Study of OEE Implementation in Indian Manufacturing Companies

J. Kumar - V.K. Soni 205

Further articles can be found at link.springer.com

Instructions for Authors for J. Inst. Eng. India Ser. C are available at http://www.springer.com/40032