

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

Volume 97 · Issue 4 · October 2016

ORIGINAL CONTRIBUTIONS

Aerodynamic Analysis of Flexible Flapping Wing Micro Aerial Vehicle Using Quasi-Steady Approach

K. Vijayakumar · U. Chandrasekhar ·
N. Chandrashekar 497

Combined Influence of Thermal Diffusion and Diffusion Thermo on Unsteady MHD Free Convective Fluid Flow Past an Infinite Vertical Porous Plate in Presence of Chemical Reaction

R. Srinivasa Raju 505

Modeling of Principal Flank Wear: An Empirical Approach Combining the Effect of Tool, Environment and Workpiece Hardness

M. Mia · M. Al Bashir · N.R. Dhar 517

Performance Analysis and Parametric Study of a Natural Convection Solar Air Heater With In-built Oil Storage

Y. Dhote · S. Thombre 527

QFD-ANP Approach for the Conceptual Design of Research Vessels: A Case Study

K. Venkata Subbaiah · K. Yeshwanth Sai · C. Suresh 539

Wear Evaluation of AISI 4140 Alloy Steel with WC/C Lamellar Coatings Sliding Against EN 8 Using Taguchi Method

N.R. Kadam · G. Karthikeyan 547

CASE STUDIES

Investigation and Parameter Optimization of a Hydraulic Ram Pump Using Taguchi Method

D. Sarma · M. Das · B. Brahma · D. Pandwar ·
S. Rongphar · M. Rahman 551

Damping Behavior of Alumina Epoxy Nano-Composites

P. Katiyar · A. Kumar 561

ARTICLE OF PROFESSIONAL INTERESTS

Corrosion and Heat Transfer Characteristics of Water Dispersed with Carboxylate Additives and Multi Walled Carbon Nano Tubes

C.V.K.N.S.N. Moorthy · V. Srinivas 569

BRIEF COMMUNICATION

On Response of a Single-Degree-of-Freedom Oscillator with Constant Hysteretic Damping Under Arbitrary Excitation

G. Chakraborty 579

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>