

Contents

Free convective heat and mass transfer of magnetic bio-convective flow caused by a rotating cone and plate in the presence of nonlinear thermal radiation and cross diffusion	
<i>M. Gnanaswara Reddy, and N. Sandeep</i>	1
Optimizing control motion of a human arm with PSO-PID controller	
<i>Mohammad Hossein Bayati Chaleshtari, Elaheh Norouzi, and Habib Ahmadi</i>	23
Unsteady MHD nonlinear radiative squeezing slip-flow of Casson fluid between parallel disks	
<i>M. Sathish Kumar, N. Sandeep, and B. Rushi Kumar</i>	35
Investigation of fluid flow and heat transfer in aluminum tube hot gas forming process	
<i>J. Shahbazi Karami and G. H. Payganeh</i>	47
Evaluation of combined hardening model in ratcheting behavior of pressurized piping elbows subjected to in-plane moments	
<i>S. J. Zakavi, B. Shiralivand, and M. Nourbakhsh</i>	57
An experimental study on the process parameters of incremental forming of Al-Cu bimetal	
<i>A. Gheysarian, and M. Honarpišeh</i>	73
LQG vibration control of sandwich beams with transversely flexible core equipped with piezoelectric patches	
<i>N. Nadirian, H. Biglari and M. A. Hamed</i>	85
On the flexural properties of multiscale nanosilica/E-glass/epoxy anisogrid-stiffened composite panels	
<i>Hamed Khosravi and Reza Eslami-Farsani</i>	99
The effect of small scale and intermolecular forces on the nonlinear pull-in instability behavior of nano-switches using differential quadrature method	
<i>Seyyed Mohammad Fatemi, and YaghoobTadiBeni</i>	109
An efficient analytical solution for nonlinear vibrations of a parametrically excited beam	
<i>S. Mahmoudkhani</i>	127