

	Article ID
Effect of two-loop correction in the formation of quark–gluon plasma droplet..... ..... <i>S Somorendro Singh and G Saxena</i>	69
On invariant analysis and conservation laws for degenerate coupled multi-KdV equations for multiplicity $l = 3$ ..... ..... <i>R K Gupta and Manjit Singh</i>	70
Numerical solution of regularised long ocean waves using periodised scaling functions..... ..... <i>M Bakhoday-Paskyabi, A Valinejad and H Deilami Azodi</i>	71
Computations of synchronisation conditions in some fractional-order chaotic and hyperchaotic systems..... ..... <i>A Al-Khedhairi, A E Matouk and S S Askar</i>	72
Magnetohydrodynamic mixed convective flow of an upper convected Maxwell fluid through variably permeable dilating channel with Soret effect..... ..... <i>K Pravin Kashyap, Odelu Ojjela and Samir Kumar Das</i>	73
Long-term dynamics of a q-deformed discrete susceptible–infected–susceptible epidemic model with delay ..... ..... <i>Sanaa Moussa Salman</i>	74
Spherically symmetric wormholes of embedding class one..... ..... <i>Peter K F Kuhfittig</i>	75
High-sensitivity measurement of Rydberg population via two-photon excitation in atomic vapour using optical heterodyne detection technique ..... ..... <i>Arup Bhowmick, Dushmanta Kara and Ashok K Mohapatra</i>	76
Synchronisation of cyclic coupled Josephson junctions and its microcontroller-based implementation ..... ..... <i>K S Ojo, A O Adedokun and A A Oluyinka</i>	77
Higher harmonic instability of electrostatic ion cyclotron waves ..... ..... ..... <i>T Sreeraj, S V Singh and G S Lakhina</i>	78
Locally rotationally symmetric Bianchi type-I cosmological model with dynamical $\Lambda$ and $G$ in $f(R)$ gravity ..... ..... <i>Rakesh Raushan, A K Shukla, R Chaubey and T Singh</i>	79
Tunable fluorescence from natural carbon source: <i>Pandanus</i> ..... ..... ..... <i>M S Swapna, H V Saritha Devi, G Ambadas and S Sankararaman</i>	80
Energy of electrons at the interaction of femtosecond laser with argon nanocluster..... ..... ..... <i>Hossein Ghaforyan</i>	81
Numerical simulation for time-fractional nonlinear coupled dynamical model of romantic and interpersonal relationships ..... ..... ..... <i>Manish Goyal, Amit Prakash and Shivangi Gupta</i>	82
Ensemble in phase space: Statistical formalism of quantum mechanics..... ..... ..... <i>Chol Jong, Byong-Il Ri, Gwang-Dong Yu, Song-Guk Kim, Son-Il Jo and Shin-Hyok Jon</i>	83

Indexed in CURRENT CONTENTS      ISSN 0304-4289  
 Edited and published by Amitabh Joshi  
 for the Indian Academy of Sciences, Bengaluru 560 080  
 Printed at Tholasi Prints India Pvt. Ltd., Bengaluru

Registered with Registrar of Newspapers in India, Vide Regn No. 24935/73  
 Regn. No. KRNA/BGE/337/2018–2020, published on 10/05/2019  
 Licensed to Post without prepayment No. 49  
 Posted at Bengaluru PSO, Mysore Road, Bengaluru 560026 16/05/2019