

CONTENTS

Front Title	165
Board of Editors	167–169
Front Contents	171–172
Rapid Communication	
Monitoring of sudden ionospheric disturbances (SID) from Kolkata (India) SANDIP K CHAKRABARTI, K ACHARYA, B BOSE, S MANDAL, A CHATTERJEE, N M NANDI, S PAL AND R KHAN	173–175
Atomic & Molecular Physics	
(<i>e</i> , 2 <i>e</i>) triple differential cross sections of He, Ne, Ar, Kr and Xe atoms in coplanar to perpendicular plane geometry G PUROHIT, A S BHULLAR AND K K SUD	177–184
Bremsstrahlung spectra of metallic targets produced by ^{32}P beta particles AMARJIT S DHALIWAL	185–188
General Physics	
A new relation to estimate adiabatic compressibility of binary mixtures at different temperatures and concentrations R G BINDU, IYPE LILLY, M LAILA, P G THOMAS PANICKER, I DOMINI AND S MOHANAN	189–193
Optics & Spectroscopy	
Cumulant-like correlation functions to study temporal behavior of optical sources BIMAN DAS AND NICOLAS LYGA	195–199
Analysis of engineered opals for photonic band gap properties at visible wavelengths R VIJAYA AND TUSHAR PRASAD	201–205
Infrared spectra of charge transfer complexes of tetramethylbenzidine MUKESH PATEL, S G PATEL, RAJIV VAIDYA AND A T OZA	207–213
Infrared spectra of C6–spiro steroidal tetrazines YOGESH KUMAR AGARWAL, P K VERMA, EHTSHAM HUSSAIN KHAN, SHEEBA SHAFI AND SHAFIULLAH	215–221

Plasma Physics

Amplitude modulation and demodulation of electromagnetic wave in magnetised
diffusive semiconductors

S GHOSH AND M P RISHI 223–227

Notes

Potential energy curves and dissociation energies of diatomic indium halides

S K MISHRA, RAJ K S YADAV, S B RAI AND V B SINGH 229–232

Constant parameter of hard convex fluid

V S GIRI AND B P AKHOURI 233–236

Second order active-R filter with multiple feedback for different Q

G N SHINDE, P D ACHOLE AND P R MIRKUTE 237–239

Monte Carlo simulation of Maxwell molecule interactions in space plasma

IMAD A BARGHOUTH AND NAJI A QATANANI 241–245

Book Review 247

Erratum

On the electronic contribution to single molecule surface enhanced Raman spectroscopy

A OTTO 249

Forthcoming Publications (A) 251–252

Notes for Contributors 253–255

Announcements 257–262