

TITLE INDEX

Vol. 50 (1968)

	PAGE
Behaviour of Specific Heat C_p , Thermal Expansion β and Isothermal Compressibility k_T near Ferroelectric Transitions. (Viswanathan, Vaidya and Gopal)	83
Circular Cylindrical Dielectric Rod Waveguide. (Subramanian and Chatterjee)	258
The Degradation of Aromatic Compounds by <i>Arthrobacter Species</i> . (Mullakhanbai)	327
Effect of Creep on the Vibrations of Mechanical Systems subjected to Random Excitation. (Dasarathy and Srinivasan)	319
An Equivalent Linearisation for the Solution of Certain Class of Non-Linear Vibration Problems. (Achyutha Rao Bapat and Srinivasan)	135
Heat Transfer in a Slow Steady Flow of an Elastico-Viscous Fluid in a Wavy Cylindrical Tube. (Mathur)	112
Lattice Dynamics and Specific Heat of Calcium Chloride. (Haridasan, Krishnamurthy and Govindarajan)	200
Mechanism of Glycine Accumulation in the Fat Body of the Silkworm <i>Bombyx mori L.</i> (Chitra and Shyamala)	229
Microwave Resonator. (Chatterjee and Chatterjee)	345
Numerical Solution of Nonlinear Equations. (Krishna Murthy)	31
On an Automatic Computation of Characteristic Roots of a Matrix. (Syamal Kumar Sen)	210
On the Derivation of the Computational Formulae of the Orthogonalization Method of Inversion including Experiments on Near-Singular Matrices and on the Transformation of 2-D Array to 1-D Array. (Syamal Kumar Sen)	37

	PAGE
On the Exact Calculation of Elastic Constants of Crystals from Ultrasonic Velocities along Arbitrary Directions—Application to Sodium Chlorate. (Radha and Gopal)	170
On a Mixed Boundary Value Problem of a Cylindrical Hole in an Elastic Matrix. (Yogananda)	78
Plane Couette Flow with Suction or Injection and Heat Transfer. (Bhatnagar)	1
Plane Couette Flow with Suction or Injection and Heat Transfer for Rivlin-Ericksen Fluid. (Tikekar)	224
A Pulse Echo Determination of the Elastic Constants of Sodium Bromate. (Radha and Gopal)	26
Radiation from Tapered Dielectric Rod Aerials. Anand Rumar and Chatterjee)	374
Saturated Liquid Entropies of Hydrocarbons. (Das, Ibrahim and Kuloor)	364
Some Flow Problems in Micropolar Fluids. (Renuka Rajagopalan) ..	57
Some Integrals involving the Euler and Bernoulli's Numbers. (Swarnalatha Prabhu)	238
Study of Mechanical Systems subjected to Combined Deterministic and Random Excitation. (Dasarathy and Srinivasan)	219c
Thermodynamic Properties of Acetaldehyde. (Das and Kuloor) ..	45
Thermodynamic Properties of Carbon Disulphide (Seshadri, Viswanath and Kuloor)	294
Thermodynamic Properties of Chloroform. (Seshadri, Viswanath and Kuloor)	179
Thermodynamic Properties of Ethyl Chloride. (Das and Kuloor) ..	100
Thermodynamic Properties of Hydrazine. (Das and Kuloor) ..	13
Thermodynamic Properties of Phosgene. (Seshadri, Viswanath and Kuloor)	151