

Author Index

- BADRI NARAYANAN, M. A. AND RAGHU, S.
Two-dimensional jet subjected to periodic oscillations in the potential core region 83
- BADRI NARAYANAN, M.A. AND PODDAR, K.
An experimental investigation of the internal flow in an ejector with flap-excited primary jet 203
- BHIMARADDI, A.
See Chandrashekhara, K. and Bhimaraddi, A. 99
- BOSE, T. K. AND SEENIRAJ, R. V.
Two-temperature noble gas plasmas
Part 1 : Thermodynamics and transport coefficients
Part 2 : Transport properties of argon plasma 181
- CHANDRASHEKARA, M. N. AND SESHADRI, D. N.
Molecular weight predicts critical temperature 123
- CHANDRASHEKHARA, K. AND BHIMARADDI, A.
On the validity of sandwich shell theory 99
- GUPTA, V. K. AND PRASAD, M.
Numerical estimation of main parameters for realistic two-stage ammonia refrigerating systems 219
- NAMACHIVAYAM, N. AND SRIVATSA, S. K.
Minimization of TANT networks 159
- NARASIMHA, R.
The turbulence problem 1
- PODDAR, K.
See Badri Narayanan, M. A. and Poddar, K. 203
- PRASAD, C. R. AND VENKATESH, P.
A peak power and energy monitor for pulsed lasers 151
- PRASAD, M.
See Gupta, V. K. and Prasad, M. 219
- RAGHU, S.
See Badri Narayanan, M. A. and Raghu, S. 83
- RAO, V. V.
See Sastry, T. P. and Rao, V. V. 61
- RAO, Y. J.
See Sivaji, K., Vyarawalla, F. and Rao, Y. J. 137
- SASTRY, T. P. AND RAO, V. V.
Anodic protection of mild steel in sulphuric acid 61
- SEENIRAJ, R. V.
See Bose, T. K. and Seeniraj, R. V. 181
- SESHADRI, D. N.
See Chandrashekhara, M. N. and Seshadri, D. N. 123
- SESHADRI, M. R.
See Sridhara, S., Srinivasan M. N. and Seshadri, M. R. 113
- SIVAJI, K., VYARAWALLA, F. AND RAO, Y. J.
Studies in mass transfer in a pulsed bubble column 137

SIVASEGARAM, S.
The international system of units : Some
major shortcomings and remedies 71

SRIDHARA, S., SRINIVASAN, M. N. AND
SESHADRI, M. R.
Solidification times of hollow plate-
shaped castings in sand moulds—A gene-
ralised solution 113

SRINIVASAN, M. N.
See Sridhara, S., Srinivasan, M. N. and
Seshadri, M. R. 113

SRIVATSA, S. K.
See Namachivayam, N. and Srivatsa,
S. K. 159

VENKATESH, P.
See Prasad, C. R. and Venkatesh, P. 151

VYARAWALLA, F.
See Sivaji, K., Vyarawalla, F. and Rao,
Y. J. 137

Key Word Index

Acid environment	61	Heat conduction	113
Aerodynamics	203	Heavy particles	181
Ambipolar and reactive heat diffusion coefficients	181	Hollow castings	113
Amplitude	137	Hydrocarbon	123
Anodic protection	61	Incompressible fluid	1
Axisymmetric load	99	Irregular eddying motions	1
Bed height	137	Jet	83
Boundary layer	1	LM6 (Al-12% Si)	113
Chaotic fluid motions	1	Local thermodynamic equilibrium	181
Cores	113	Mass transfer	137
Corrosion of mild steel	61	Mixture	123
Critical temperature	123	Molecular weight	123
Elasticity theory	99	Optical instrumentation	151
Electrons	181	Photometry	151
Engineering communication	71	Precooling systems	219
Engineering measurements	71	Propulsion	203
Fluid dynamics	203	Pulsed bubble column	137
Fluid mechanics	83	Pulsed lasers	151
Frequency	137	Refrigerating system	219
Gimpel's algorithm	159	Reynolds number	1

Sand moulds	113	Turbulence management	
Sandwich shell	99	Turbulent flows	1
SI units	71	Two-stage ammonia	1
Solidification	113	Two-temperature plasma	219
TANT networks	159	Unsteady flow	181
Transport properties	181	Vibrational acceleration	83
Turbulence	83		137

Book Review Index

Android design by Martin Bradley Weinstein, reviewed by M. R. Chidambara	175	Contact mechanics and wear of rail wheel systems edited by J. Kalousek, R. V. Dukkipati and G. M. L. Gladwell, reviewed by S. K. Biswas	231
Applied engineering mechanics : Statics by Aldor C. Peterson, reviewed by L. S. Srinath	166	Electrical transport in solids by K. C. Kao and W. Hwang, reviewed by R. Srinivasan	172
Applied engineering mechanics : Strength of materials by Aldor C. Peterson, reviewed by L. S. Srinath	167	Engineering soil testing by Shamsheer Prakash and P. K. Jain, reviewed by K. S. Subba Rao	168
A brief course on the theory of buckling by L. M. Kachanov, reviewed by K. T. S. Iyengar	169	Filtration of polymer melts, reviewed by Manas Chanda	171
Buckling of thin walled rods by L. M. Kachanov, reviewed by K. T. S. Iyengar	170	Flow in open channels (Volumes I and II) by K. Subramanya, reviewed by N. S. Lakshmana Rao	77
Commercial operations in space 1980-2000 by L. McLucas and Charles Sheffield, reviewed by H. S. Mukunda	134	FORTTRAN programming by Ashok K. Jain and M. N. Keshava Rao, reviewed by Lawrence Jenkins	174
Computer aided power system operation and analysis by R. N. Dhar, reviewed by Lawrence Jenkins	78	Getting started in GPSS by K. S. Dunning, reviewed by V. V. S. Sarma	129
Computers in society : The wheres, whys and hows of computer use by Donald D. Spencer, reviewed by Lawrence Jenkins	173	How to build a computer-controlled robot by Tod Loofbourrow, reviewed by M. R. Chidambara	177