

Symposium on Mechanics for Space Flight 1981-1990

by

Koichi OSHIMA

Symposium on Mechanics for Space Flight was held firstly in 1968 at Institute of Space and Aeronautical Science, University of Tokyo. Since then, this Symposia have been annually held in this Institute. During the period until 1980, 11 Symposia were held and a summarizing report of these Symposia was presented at the Proceedings of 1982 Symposium.

In 1981, the Institute of Space and Astronautical Science was inaugurated, and this Symposia have been sponsored since then. The Proceedings of them were also published as ISAS Report SP.

List of contents of these Proceedings and the author's index are presented as follows :

- K. Oshima M. Hinada K. Matsuo M. Murakami (1981) p. 1
Preface
- K. Nanbu (1981) p. 3
The exact direct-simulation-scheme for the Boltzmann equation —Correlation of velocity between the molecules in a closed system—
- S. Ogawa T. Kato (1981) p. 14
On the statistical approaches for inelastic granular particles
- K. Koura (1981) p. 25
Hole burning into velocity distribution of thermal electrons due to resonance attachment to O₂
- K. Yamamoto (1981) p. 29
Flow of rarefied gas past a circular cylinder at moderate Knudsen numbers
- M. Nishida A. Kimura (1981) p. 37
Spectroscopic measurements of a plasma flow on a stagnation streamline
- T. Kanki S. Inchi Y. Matsui (1981) p. 45
Non-uniform pressure diffusion of a ternary gas mixture in a circular tube at low pressures
- N. Takahashi T. Moriya K. Teshima (1981) p. 64
Rotational-translational relaxation of molecules and translational relaxation of binary mixtures in free-jet expansions
- Y. Tanaka H. Oguro K. Oshima (1981) p. 73
Experimental study of jet plumes expanding into vacuum
- K. Teshima K. Tanaka T. Kato I. Koyano (1981) p. 85
Crossed-beam apparatus for ion-cluster reaction

- A. Onji S. Tsuda (1981) p. 97
Scattering of Argon beams from metallic surfaces with adsorbed layers
- H. Mikami (1981) p. 107
Rotating supersonic flow about scoop inlet using an unsteady implicit technique
- H. Honma I. I. Glass Y. Tsumita (1981) p. 121
An application of the random-choice method to weak blast waves
- K. Karashima S. Kitama (1981) p. 137
The effect of a small blowing on vortex-breakdown in a swirling flow
- Y. Oshima (1981) p. 145
Studies of autorotation of an elliptic cylinder
- K. Horiuchi (1981) p. 159
Study of incompressible turbulent channel flow by large-eddy simulation
- M. Hayashi A. Sakurai S. Aso (1981) p. 171
On a multi-layered thin film heat transfer gauge
- M. Murakami H. Nagano (1981) p. 179
Space cryogenics
- K. Etori (1981) p. 197
Analytical estimation of the thermal properties of liquid Helium II
- K. Negishi (1981) p. 213
Performance of closed two-phase thermosyphon-II-
- K. Kaneko K. Negishi (1981) p. 225
Counter-current two-phase flow in heat pipes —III—
- Y. Kobayashi (1981) p. 229
A concept of heat pipe engine
- T. Yamamoto Y. Tanaka S. Matsumoto M. Sasaki (1981) p. 241
On useful temperature range of sodium heat pipe
- I. Totsuka S. Tazoe K. Yoshizumi N. Okada (1981) p. 255
A new internal-surface finish method of heat pipes
- J. Niekawa K. Matsumoto T. Koizumi K. Hasegawa H. Kaneko Y. Mizoguchi (1981) p. 261
Performance of revolving heat pipes and application to a rotary heat exchanger
- K. Oshima (1982) p. 1
Preface
- H. Murakami M. Tanna K. Niu (1982) p. 3
Self-similar solutions of hydrodynamic equations for expanding layer with boundary condition specified by different equation
- S. Kawata K. Niu (1982) p. 9
Numerical simulations for intense light-ion beam propagation in channel under influence of plasma inertia
- T. Okada H. Murakami K. Niu (1982) p. 21
Propagation of light ion beam II—"Micro-and macro-stabilities of rotating ion layer"
- K. Hayashi T. Fujiwara (1982) p. 27
Oxyhydrogen ignition and flame propagation under cryogenic temperatures

- K. Ono (1982) p. 41
Frequency effect of transonic flow over an oscillating airfoil
- K. Nakahashi (1982) p. 51
Computation of two-dimensional transonic chemically reacting nonequilibrium flow in a rocker nozzle
- K. Oshima Y. Oshima (1982) p. 65
Lift generation due to vortex shedding
- H. Yokota T. Tanabe (1982) p. 73
Interplanetary mission design by multiple Earth-venus-jupiter Swingbys
- H. Matsu Y. Matogawa T. Nozoe T. Shimoda (1982) p. 87
Optimization of low thrust trajectories for colinear Lagrange point mission
- I. Nakatani (1982) p. 103
Attitude control experiment of sounding rocket S-520-5
- K. Nanbu (1982) p. 109
Exact direct-simulation-scheme for the Boltzmann equation/correlation of molecular velocities subject to renewal process
- K. Nanbu (1982) p. 123
Couette flow in continuum to free molecular region
- K. Koura (1982) p. 141
Relaxation of velocity distribution of electrons cooled/heated/by rotational excitation/de-excitation/of N₂
- T. Soga (1982) p. 151
On the interpolation formula based upon the asymptotic solution to the kinetic model equation
- T. Soga M. Takanashi M. Yasuhara (1982) p. 159
Rotational temperature measurements in free jet expansions of N₂ using electron beam fluorescence technique
- M. Nishida A. Nakajima (1982) p. 169
Density measurements of a free jet by Laser differential interferometer
- K. Teshima T. Moriya N. Takahashi (1982) p. 179
Translational nonequilibrium in a rapid expansion flow from a high temperature source
- T. Fujimoto S. Yamamoto S. Kato (1982) p. 187
Recent developments in the investigations on the gas-surface interactions
- K. Koura (1982) p. 191
Monte Carlo simulation in molecular gas dynamics
- H. Mikami (1982) p. 199
Rarefaction phenomena in gas and isotope separation
- K. Etori (1982) p. 211
Remarks on thermal properties of rotating superfluid Helium in a gravitational field
- K. Etori S. Haraguchi H. Okushima (1982) p. 229
Simulation of Brownian motion affected by Gaussian force in gravitational field
- Y. Kobayashi M. Kaneko T. Matsumoto (1982) p. 241

- Visualization of density variation due to vapor condensation
M. Takuma S. Maezawa A. Tsuchida (1982) p. 247
- Studies on condensation heat transfer in two-phase closed thermosyphons
K. Negishi (1982) p. 257
- Unstable phenomena in a two-phase closed thermosyphon
T. Yasunaga H. Koizumi (1982) p. 265
- The cooling unit for the closed box
Y. Tanaka T. Yamamoto H. Hattori (1982) p. 273
- Heat transfer rate of looped type heat pipes using water and NaK as working fluid under liquid phase flow
K. Oshima (1982) p. 283
- Symposium on mechanics for space flight 1970-1980
K. Oshima (1983) p. 1
- Preface
H. Honma M. Wada K. Inomata (1983) p. 3
- Random-choice solutions for two-dimensional and axisymmetric supersonic flows
S. Kuwabara (1983) p. 15
- Numerical analysis of the burst in the turbulent boundary layer based on the three-dimensional vortex model
K. Fujii (1983) p. 23
- Elliptic grid generation for three-dimensional geometries
N. Izutsu Y. Oshima (1983) p. 29
- Numemical simulation of autorotation
M. Nishida H. Kobayashi (1983) p. 43
- Freejets of rotationally relaxing diatomic gases
K. Teshima (1983) p. 51
- Visualization for a free jet by a laser induced fluorescence method and its structure
K. Etori (1983) p. 61
- Remarks on thermal analysis of thin ^4He films in superfluid heat pipe
K. Negishi (1983) p. 69
- A blowup phenomenon of the working fluid in a two-phase closed thermosyphon
A. Shimizu S. Yamazaki (1983) p. 75
- An experimental study of helical guide-type rotating heat pipe
M. Oshiro S. Takasu M. Kurihara K. Taneda T. Nakamoto H. Nakayama (1983) p. 83
- The heat pipe heat exchanger with controllable heat exchanging area
I. Honda A. Suzuki Y. Abe S. Sugihara (1983) p. 93
- Experimental study of the naphthaline heat pipe
M. Takaoka M. Mohtai M. Mochizuki K. Mashiko (1983) p. 101
- Research and development of long heat pipes and their applications
H. Takagi M. Mohtai K. Kojima (1983) p. 107

- Study of latent heat storage system used heat pipes for cooling underground cables
K. Oshima (1984) p. 1
Preface
Y. Oshima (1984) p. 3
Interactions of vortices
K. Tsuboi K. Oshima (1984) p. 17
Numerical study of two-dimensional vortex street
S. Kuwabara (1984) p. 31
Vorton model analysis
N. Izutsu H. Kanda (1984) p. 43
Numerical simulation of vortices shed behind a rotating wing
T. Matsuda (1984) p. 51
Numerical simulations in cosmic gas dynamics-gas flow in binary stars-
H. Yamada T. Fujiwara (1984) p. 67
Two-dimensional analysis of a flow in MPD thruster
T. Soga (1984) p. 77
A kinetic theory analysis of transient evaporation problem
N. Ichikawa M. Murakami H. Nakai (1984) p. 91
Application of porous solid nitrogen to space borne cooling missions
T. Matsumoto Y. Kobayashi (1984) p. 105
Effect of non-condensable gas on the vapor flow in thermosyphons
K. Kaneko K. Negishi (1984) p. 113
Heat transfer performances of a thermosyphon contained non-condensable gas
-I-
Y. Ikeda (1984) p. 119
Permeability of a screen wick
Y. Ikeda M. Kamata A. Shimizu (1984) p. 127
Effective thermal conductivity of a screen wick
H. Nakai M. Murakami N. Ichikawa (1984) p. 135
Flow of HeII through porous-plug phase separators
M. Ishizuka T. Sasaki Y. Miyazaki (1984) p. 157
Development of titanium heat pipes for use in space
K. Oshima (1985) p. 1
Preface
R. Takaki A. K. M. Hussain (1985) p. 3
Theoretical study of strong interaction of vortex filaments
S. Kuwabara (1985) p. 1
Studies on vortex motion based on the dividing vorton model
H. Nakajima Y. Yoshizawa (1985) p. 23
A description of a turbulent flow past a circular cylinder by a discrete vortex method
T. Kambe T. Minota Y. Ikushima (1985) p. 33
Acoustic waves by vortex-body interaction

- Y. Ishii Y. Oshima (1985) p. 43
 Study of three-dimensional separation on a spheroid at incidence
- N. Nishikawa A. Suzuki S. Akiyama (1985) p. 53
 Images of three dimensional flows in computer graphics
- M. Katagiri (1985) p. 65
 On accurate numerical solution of Falkner-Skan equation
- H. Kanda K. Oshima (1985) p. 71
 Numerical study of entrance flow of a circular pipes
- K. Teshima H. Nakatsuji (1985) p. 89
 Numerical simulation of two-dimensional freejet flow-fields
- Y. Sakurai H. Kimura (1985) p. 97
 Technical overview of plume radiation from a solid rocket motor
- H. Kuninaka K. Kuriki (1985) p. 111
 Two-dimensional analysis of high voltage solar array interfering with ionospheric plasma
- K. Etori (1985) p. 121
 Analysis on gravitational effect to nonlinear diffusion system of vapor molecules in a heat pipe
- M. Kamata Y. Ikeda (1985) p. 133
 Effect of surplus standing liquid on heat transfer resistance in the heat pipe-with mesh wick in a horizontal mode-
- K. Negishi K. Kaneko F. Kusumoto (1985) p. 143
 Dynamic heat transfer mechanism of two-phase closed thermosyphon
- Y. Tanaka T. Yamamoto (1985) p. 153
 A trial on performance test method for Cu-water heat pipe
- Y. Miyazaki Y. Ido (1985) p. 161
 High capacity heat pipe with axial grooves
- K. Oka H. Tsuchihashi Y. Nishimura T. Mohtai M. Mochizuki K. Mashiko H. Yamanouchi (1985) p. 167
 Operating characteristics of cooling underground power cables using up sloped long heat pipes in conduit
- K. Oshima (1985) p. 177
 Report on International Symposium on Computational Fluid Dynamics-Tokyo
- P. I. Chushkin G. P. Voskrenensky (1985) p. 185
 Computational aerodynamics of supersonic lifting vehicles
- V. M. Kovenya G. A. Tarnavsky S. G. Cherny (1985) p. 199
 Numerical modeling of spatial flows on the basis of splitting up method
- A. I. Tolstykh (1985) p. 209
 The third order compact schemes for fluid dynamics problems
- G. P. Voskresensky (1985) p. 217
 Supersonic flow around tip sides of wings
- B. Dobrowolski Z. Kabza (1985) p. 225
 An improved ψ -cell method for turbulent multi-phase flows
- Z. D. Zapryanov E. V. Toshev (1985) p. 231

- Hydrodynamic and thermal interaction between two spheres in a steady viscous flow
 K. V. Brushlinsky (1985) p. 239
 Mathematical and computational models of plasma flows
 V. V. Zhurin A. V. Shipilin (1985) p. 249
 The numerical method of calculation two-dimensional stationary electro-gas-dynamic internal flows
 A. A. Samarskii B. P. Gerasimov T. G. Elizarova I. S. Elizarova I. S. Kalachinskaya
 A. B. Karagichev A. V. Lesunovsky S. A. Semushin B. I. Chetversushkin A. G. Churban (1985) p. 257
 Computer simulation in engineering hydrodynamics
 K. Oshima (1986) p. 1
 Preface
 N. Izutsu K. Oshima Y. Oshima (1986) p. 3
 Experimental study of interacting vortex rings
 H. L. Chen (1986) p. 5
 Numerical simulation of the interaction of vortex rings in viscous fluid
 S. Kuwabara (1986) p. 23
 Theory of dividing vortns
 Y. Takakura T. Ishiguro S. Ogawa (1986) p. 31
 On the scheme dependency of the three-dimensional Euler solutions
 H. Kanda K. Oshima (1986) p. 47
 Numerical study of the entrance flow and its transition in a circular pipe-2-
 M. Cho K. Abe (1986) p. 77
 Thrust and specific impulse of repetitively-pulsed-laser propulsion rocket
 K. Etori (1986) p. 97
 Estimations of gravitational effects on thermal denaturation process in a biopolymer
 H. Uchida K. Kuwahara S. Enya (1986) p. 107
 Numerical analysis of Marangoni convection in Bridgman method
 A. Takaichi J. Nishimura M. Hinada (1986) p. 117
 Effect of void gas lying between fluid slugs in nutation dampers
 T. Ogushi G. Yamanaka (1986) p. 127
 Heat transfer performance of axially grooved heat pipes
 Y. Miyazaki S. Oshima Y. Inoue (1986) p. 141
 Heat transfer characteristics of arterial heat pipe with axial grooves
 Y. Miyazaki S. Oshima (1986) p. 149
 Pump assisted heat pipe
 H. Shirai (1986) p. 155
 Nonequilibrium characteristics of nitrogen plasmas appropriate to an AOTV flight
 K. Teshima K. Abe T. Nishino (1986) p. 165
 Rayleigh scattering measurements of f freejet with homogeneous condensation
 K. Teshima H. Nakatsuji (1986) p. 175

- Numerical simulation and visualization of a flowfield by interaction of two parallel two-dimensional freejets
- N. Goto S. Hokamoto (1986) p. 187
On the root locus method applied to flexural vibration control systems
- K. Oshima (1987) p. 1
Preface
- H. L. Chen K. Oshima (1987) p. 3
Numerical analysis of reconnection of vortex rings
- A. Yamashita Y. Oshima (1987) p. 13
Vortex filament simulation for the crosslinking vortex rings
- Y. Oshima N. Izutsu (1987) p. 19
Crosslinking of two vortex rings side by side
- Y. Ishii H. Kanda (1987) p. 29
Turbulence transition in a circular pipe
- H. Shirai (1987) p. 37
Absorption characteristics of Si₃N₄ ablation layer plasma
- K. Etori (1987) p. 47
Thermostatistical estimation of vapor-state molecules affected by gravity in a heat pipe
- F. Kaminaga N. Tsuyuzaki T. Saito M. Konno Y. Okamoto (1987) p. 55
An experimental investigation of transient characteristics in a gravity-assisted heat pipe
- Y. Ikeda S. Onuma (1987) p. 61
Heat transfer of mesh-wick mesh-pipes-bottom heat mode-
- T. Matsuoka K. Negishi K. Kaneko M. Hirashima Y. Nishikawa M. Taguchi (1987) p. 77
An arranging method on 1/d of two-phase closed thermosyphons
- M. Murakami K. Arai Y. Kojima (1987) p. 87
A statistical treatment of accelerated life test data for copper-water heat pipes
- Y. Miyazaki Y. Kuriyama M. Furukawa (1987) p. 99
Forced-convective boiling in small diameter tube
- M. Hirashima Y. Nishikawa M. Taguchi K. Negishi K. Kaneko T. Matsuoka (1987) p. 107
Characteristics of long size thermosyphons made of corrugated tube
- Z. G. Ling (1987) p. 115
An analysis of gas-steam total power recovery energy system
- M. Inoue K. Tsuchiya A. Nakajima C. Murakami (1987) p. 127
Nutational stability of a satellite equipped with an active magnetic momentum wheel
- M. Hinada I. Nakatani K. Ninomiya N. Muranaka T. Namura M. Uo N. Ogura (1987) p. 137
Dynamics of satellite with radial wire antennas
- K. Oshima (1988) p. 1
Preface

- K. Oshima (1988) p. 3
Numerical solutions of viscous incompressible Navier-Stokes equations
- S. Aso M. Hayashi N. Futatsudera (1988) p. 11
Numerical simulations of separated flow around two-dimensional wing section by a discrete vortex method
- K. Noto (1988) p. 21
Computational prediction on disappearance of the Karman vortex street due to heating of cylinder submerged in horizontal main stream
- M. Katagiri (1988) p. 31
On accurate numerical solutions of the unsteady boundary layer flow around a circular cylinder
- H. L. Chen K. Oshima M. Hinada (1988) p. 39
Numerical analysis of thermocapillary and evaporating flows at low Bond number
- K. Etori (1988) p. 55
New estimation on specific heat of superfluid Helium by Roton-growth model and its gravitational effect in rotating system
- M. Hirashima Y. Nishikawa M. Taguchi K. Negishi K. Kaneko H. Takemura (1988) p. 65
Characteristics of top heat mode thermosyphons Part II an improved model
- K. Oshima (1988) p. 77
Research and development on heat pipe and related thermal engineering technologies in Japan
- V. Hlavacka F. Polasek K. Oshima (1988) p. 87
Design calculation of heat pipes and heat pipe systems
- K. Oshima (1989) p. 1
Preface
- S. Aso M. Hayashi M. Takano (1989) p. 3
Numerical simulation of unsteady shock reflection process by a ramp
- S. Aso A. Fujimoto N. Futatsudera M. Hayashi (1989) p. 5
Numerical simulation of separated flows around a wing section at steady and unsteady motion by a discrete vortex method
- H. Honma N. Nishikawa (1989) p. 25
Some topics of Navier-Stokes solvers
- O. Inoue (1989) p. 41
Simulation of excited shear flows
- Y. Ishii (1989) p. 45
Numerical simulation of pulsatile flows passing through a pipe with sudden expansion
- A. Sakurai H. Uchihori (1989) p. 53
Unsteady vortex lattice calculation of the flow around a slender delta wing
- V. S. Berman (1989) p. 61
Application of computer algebra to perturbation solution problem of the viscous flow past a sphere

- H. L. Chen K. Oshima (1989) p. 73
Numerical simulation of complicate transition-breakdown of vortical flows inside a circular pipe
- L. Wang H. M. Wu (1989) p. 105
Analysis of atmospheric diffusion of pollutant based on the limited observation of horizontal wind
- H. M. Wu S. Yang (1989) p. 115
Mm B-A new class of accurate high resolution schemes for conservation laws in two dimensions
- F. Kaminaga Y. Okamoto T. Yotsukura H. Ito T. Saito H. Amezawa (1989) p. 147
Heat transfer characteristics of radial heat pipe
- Y. Miyazaki M. Furukawa Y. Ishii M. Shigehara M. Komori K. Mimura S. Oshima (1989) p. 155
Development of a two-phase cold plate
- P. Terdtoon M. Shiraishi M. Murakami (1989) p. 167
Effect of inclination angle on heat transfer characteristics of closed two-phase thermosyphon
- H. Yamaguchi M. Ishii K. Uematsu H. Uchida S. Enya H. Azuma (1989) p. 175
Numerical simulation of buffer flow in a free flow electrophoresis chamber
- M. Tashiro Y. Tanaka T. Yamamoto Y. Ikeda (1989) p. 183
Experimental study on mercury heat pipes-on effect of screen mesh wick under bottom heat mode-
- K. Oshima (1990) p. 1
Preface
- H. Kanda (1990) p. 3
Normal wall effect and the minimum critical Reynolds number for flow in a circular pipe
- T. Ohtsuka H. Fujii (1990) p. 37
Minimax optimization in the time domain
- I. Nakatani J. Kawaguchi R. Hasegawa M. Abe K. Ashina (1990) p. 47
Attitude control system of I-520 recovery type rocket
- S. V. Konev (1990) p. 53
Intensification of phase change heat transfer
- Z. G. Ling K. Oshima (1990) p. 69
Brayton-Rankin total energy space dynamic power system analysis
- K. Oshima (1990) p. 81
Symposium on mechanics for space flight 1981-1990

AUTHOR INDEX

- Abe,K. (1986)p. 77 (1986) p. 165
Abe,M. (1990)p. 47
Abe,Y. (1983)p. 93
Amezawa,H. (1989) p. 147
Arai, K. (1981) p. 171 (1988) p. 11 (1989) p. 3 (1989) p. 15
Ashina, K. (1990) p.47
Azuma,H. (1989) p. 175
Berman, V. S. (1989) p. 61
Brushlinsky, U. V. (1985) p. 239
Chen, H. L. (1986) p. 15 (1987) p. 3 (1988) p. 39 (1989) p. 73
Cherny, S. G. (1985) p. 199
Chetversushkin, B. I. (1985) p. 257
Cho, M. (1986) p. 77
Churban, A. G. (1985) p. 257
Chushkin, P. I. (1985) p. 185
Dobrowolski, B. (1985) p. 225
Elizarova, T. G. (1985) p. 257
Enya, S. (1986) p. 107 (1989) p. 175
Etori, K. (1981) p. 197 (1982) p. 211 (1982) p. 229 (1983) p. 61 (1985) p. 121 (1986) p. 97 (1987) p. 47 (1988) p. 55
Fujii, H. (1990) p. 37
Fujii, K. (1983) p. 23
Fujimoto, A. (1989) p. 15
Fujimoto, T. (1982) p. 187
Fujiwara, T. (1982) p. 27 (1984) p. 67
Furukawa, M. (1987) p. 99 (1989) p. 155 (1988) p. 11
Futatsudera, N. (1989) p. 15
Gerasimov, B. P. (1985) p. 257
Glass, I. I. (1981) p. 121
Goto, N. (1986) p. 187
Haraguchi, S. (1982) p. 229
Hasegawa, K. (1981) p. 261
Hasegawa, R (1990) p. 47
Hattori, H. (1982) p. 273
Hayashi, K. (1982) p. 27
Hayashi, M. (1981)p. 171 (1988) p. 11 (1989) p. 3 (1989) p. 15
Hinada, M. (1981) p. 1 (1986) p. 117 (1987) p. 137 (1988) p. 39
Hirashima, M. (1987) p. 77 (1987) p. 107 (1988) p. 65
Hlavacks, V. (1988) p. 87
Hokamoto, S. (1986) p. 187
Honda, I. (1983) p. 93
Honma, H. (1981) p. 121 (1983) p. 3 (1989) p. 25

- Horiuchi, K. (1981) p. 159
Hussain, A. K. M. (1985) p. 3
Ichikawa, N. (1984) p. 91 (1984) p. 135
Ido, Y. (1985) p. 161
Ikeda, Y. (1984) p. 119 (1984) p. 127 (1985) p. 127 (1985) p. 133 (1987) p. 61 (1989)
p. 183
Ikushima, Y. (1985) p. 33
Inomata, K. (1983) p. 3
Inoue, M. (1987) p. 127
Inoue, O. (1989) p. 41
Inoue, Y. (1986) p. 141
Ishiguro, T. (1986) p. 31
Ishii, M. (1989) p. 175
Ishii, Y. (1985) p. 43 (1987) p. 29 (1989) p. 45 (1989) p. 155
Ishizuka, M. (1984) p. 157
Ito, H. (1989) p. 147
Iuchi, S. (1981) p. 45
Izutsu, N. (1983) p. 29 (1984) p. 43 (1986) p. 3 (1987) p. 19
Kabza, Z. (1985) p. 225
Kalachinskaya, I. S. (1985) p. 257
Kamata, M. (1984) p. 127 (1985) p. 133
Kambe, T. (1985) p. 33
Kaminaga, F. (1987) p. 55 (1989) p. 147
Kanda, H. (1984) p. 43 (1985) p. 71 (1986) p. 47 (1987) p. 29 (1990) p. 3
Kaneko, H. (1981) p. 261
Kaneko, K. (1981) p. 225 (1984) p. 113 (1985) p. 143 (1987) p. 77 (1987) p. 107 (1988)
p. 65
Kaneko, M. (1982) p. 241
Kanki, T. (1981) p. 45
Karagichev, A. B. (1985) p. 257
Karashima, K. (1981) p. 137
Katagiri, M. (1985) p. 65 (1988) p. 31
Kato, S. (1982) p. 187
Kato, T. (1981) p. 14 (1981) p. 85
Kawaguchi, J (1990) p. 47
Kawata, S. (1982) p. 9
Kimura, A. (1981) p. 37
Kimura, H. (1985) p. 97
Kitami, S. (1981) p. 137
Kobayashi, H. (1983) p. 43
Kobayashi, Y. (1981) p. 229 (1982) p. 241 (1984) p. 105
Koizumi, H. (1982) p. 265
Koizumi, T. (1981) p. 261
Kojima, K. (1983) p. 107

- Nakajima, H. (1985) p. 23
Nakamoto, T. (1983) p. 83
Nakatani, I. (1982) p. 103 (1987) p. 137 (1990) p. 47
Nakatsuji, H. (1985) p. 89 (1986) p. 175
Nakayama, H. (1983) p. 83
Namera, T. (1987) p. 137
Nanbu, K. (1981) p. 3 (1982) p. 109 (1982) p. 123
Negishi, K. (1981) p. 213 (1981) p. 225 (1982) p. 257 (1983) p. 69 (1984) p. 113 (1985)
p. 143 (1987) p. 77 (1987) p. 107 (1988) p. 65
Niekawa, J. (1981) p. 261
Ninomiya, K. (1987) p. 137
Nishida, M. (1981) p. 37 (1982) p. 169 (1983) p. 43
Nishikawa, N. (1985) p. 53 (1989) p. 25
Nishikawa, Y. (1987) p. 77 (1987) p. 107 (1988) p. 65
Nishimura, J. (1986) p. 117
Nishimura, Y. (1985) p. 167
Nishino, T. (1986) p. 165
Niu, K. (1982) p. 3 (1982) p. 9 (1982) p. 21
Noto, K. (1988) p. 21
Nozoe, T. (1982) p. 87
Ogawa, S. (1981) p. 14 (1986) p. 31
Ogura, N. (1987) p. 137
Oguro, H. (1981) p. 73
Ogushi, T. (1986) p. 127
Ohtsuka, T. (1990) p. 37
Oka, K. (1985) p. 167
Okada, N. (1981) p. 255
Okada, T. (1982) p. 21
Okamoto, Y. (1987) p. 55 (1989) p. 147
Okushima, H. (1982) p. 229
Onji, A. (1981) p. 97
Ono, K. (1982) p. 41
Onuma, S. (1987) p. 61
Oshima, K. (1981) p. 1 (1981) p. 73 (1982) p. 1 (1982) p. 65 (1982) p. 283 (1983) p. 1
(1984) p. 17 (1985) p. 1 (1985) p. 71 (1985) p. 177 (1986) p. 1 (1986) p. 3 (1986)
p. 47 (1987) p. 1 (1987) p. 3 (1988) p. 1 (1988) p. 3 (1988) p. 39 (1988) p. 77 (1988)
p. 87 (1989) p. 1 (1989) p. 73 (1990) p. 1 (1990) p. 69 (1990) p. 81
Oshima, S. (1986) p. 141 (1986) p. 149 (1989) p. 155
Oshima, Y. (1981) p. 145 (1982) p. 65 (1983) p. 29 (1984) p. 3 (1985) p. 43 (1986) p.
3 (1987) p. 13 (1987) p. 19
Oshiro, M. (1983) p. 83
Polasek, F. (1988) p. 87
Saito, T. (1987) p. 55 (1989) p. 147
Sakurai, A. (1981) p. 171 (1989) p. 53

- Sakurai, Y. (1985) p. 87
Samarskii, A. A. (1985) p. 257
Sasaki, M. (1981) p. 241
Sasaki, T. (1984) p. 157
Semushin, S. A. (1985) p. 257
Shigehara, M. (1989) p. 155
Shimizu, A. (1983) p. 75 (1984) p. 127
Shimoda, T. (1982) p. 87
Shipilin, A. V. (1985) p. 249
Shirai, H. (1986) p. 155 (1987) p. 37
Shiraishi, M. (1989) p. 167
Soga, T. (1982) p. 151 (1982) p. 159 (1984) p. 77
Sugihara, S. (1983) p. 93
Suzuki, A. (1983) p. 93 (1985) p. 53
Taguchi, M. (1987) p. 77 (1987) p. 107 (1988) p. 65
Takagi, H. (1983) p. 107
Takahashi, N. (1981) p. 64 (1982) p. 179
Takaichi, A. (1986) p. 117
Takaki, R. (1985) p. 3
Takakura, Y. (1986) p. 31
Takanashi, M. (1982) p. 159
Takano, M. (1989) p. 3
Takaoka, M. (1983) p. 101
Takasu, S. (1983) p. 83
Takemura, H. (1988) p. 65
Takuma, M. (1982) p. 247
Tanabe, T. (1982) p. 73
Tanaka, K. (1981) p. 85
Tanaka, Y. (1981) p. 73 (1981) p. 241 (1982) p. 273 (1985) p. 153 (1989) p. 183 (1983) p. 83
Tanna, M. (1982) p. 3
Tarnavsky, G. A. (1985) p. 199
Tashiro, M. (1989) p. 183
Tazoe, S. (1981) p. 255
Terdtoon, P. (1989) p. 167
Teshima, K. (1981) p. 64 (1981) p. 85 (1982) p. 179 (1983) p. 51 (1985) p. 89 (1986) p. 165 (1986) p. 175
Tolstykh, A. I. (1985) p. 209
Toshev, E. V. (1985) p. 231
Totsuka, I. (1981) p. 255
Tsuboi, K. (1984) p. 17
Tsuchida, A. (1982) p. 247
Tsuchihashi, H. (1985) p. 167
Tsuchiya, K. (1987) p. 127

- Tsuda, S. (1981) p. 97
Tsumita, Y. (1981) p. 121
Tsuyuzaki, N. (1987) p. 55
Uchida, H. (1986) p. 107 (1989) p. 175
Uchihori, H. (1989) p. 53
Uematsu, K. (1989) p. 175
Uo, M. (1987) p. 137
Voskresensky, G. P. (1985) p. 185 (1985) p. 217
Wada, M. (1983) p. 3
Wang, L. (1989) p. 105
Wu, H. M. (1989) p. 105 (1989) p. 115
Yamada, H. (1984) p. 67
Yamaguchi, H. (1989) p. 175
Yamamoto, K. (1981) p. 29
Yamamoto, S. (1982) p. 187
Yamamoto, T. (1981) p. 241 (1982) p. 273 (1985) p. 153 (1989) p. 183
Yamanaka, G. (1986) p. 127
Yamanouchi, H. (1985) p. 167
Yamashita, A. (1987) p. 13
Yamazaki, S. (1983) p. 75
Yang, S. (1989) p. 115
Yasuhara, M. (1982) p. 159
Yasunaga, T. (1982) p. 265
Yokota, H. (1982) p. 73
Yoshizawa, Y. (1985) p. 23
Yoshizumi, K. (1981) p. 255
Yotsukura, T. (1989) p. 147
Zapryanov, Z. D. (1985) p. 231
Zhurin, V. V. (1985) p. 249