## AUTHOR INDEX TO VOL.29

	No	Page
AERO, E.L., BULYGIN, A.N. and KUVSHINSKII, E.V.: Asymmetric hydromechanics	2	333
ALEKSANDROV, V.M. and SMETANIN, B.I.: Equilibrium crack in a thin layer	4	926
ANCHEV, A.: On the stability of steady rotation of a rigid body with a fixed point	2	432
ANDREEV, V.D.: Integration of the error equations of an inertial guidance system for Keplerian motions of an object	2	279
ANDREEV, V.D.: On the equations of unperturbed work of an inertial system determining curvilinear coordinates	5	990
ANDREEV, V.D.: On the theory of a pendulous gyroscopic system, satisfying the conditions of M. Schuler	6	1301
ANNIN,B.D.: A note on the paper by V.L. Dobrovol'skii "On the application of complex variables to the plane plastic strain"	2	455
ANNIN, B.D.: Existence and uniqueness of the solution of the elastic-plastic torsion problem for a cylindrical bar of oval cross-section	5	1038
APYKHTIN, N.G.: On stability of certain permanent rotations of a rigid body	2	426
ARKHANGEL"SKII, Iu.A.: On single-valuedness of a general solution of the problem of the motion of a heavy rigid body in a Newtonian force field in one particular case	3	699
ARNOL'D, V.I.: Variational principle for three-dimensional steady-state flows of an ideal fluid	5	1002
ARUTIUNIAN, N.Kh. and BABLOIAN, A.A.: Two dynamical contact problems for an elastic sphere	3	620
BABLOIAN, A.A.: see ARUTIUNIAN, N.Kh.	3	620
BALAEVA, I.A.: On the problem of position determination of a nonlinear system in phase space	2	411
BARENBLATT, G.I., ENTOV, V.M. and SALGANIK, R.L.: On the propagation of excitation in an electrochemical diffusion		
model of a nerve BARMIN, A.A., KULIKOVSKII, A.G. and LOBANOVA, L.F.: Linearized	6	1155
problem of supersonic flow at the entrance to the electrode region of a magnetohydrodynamic channel	4	731
BAZARENKO, N.A. and VOROVICH, I.I.: Asymptotic solution of the elasticity problem for a hollow, finite length, thin cylinder	6	1219
BELEN'KII, I.M.: Generalization of Whittaker's formula for periodic orbits in the case of fields with arbitrary law	_	
of attraction	6	1289
BIRIKH,R.V.: On the spectrum of small perturbations of plane- parallel Couette flow	4	879
BIRIKH, R.V., GERSHUNI, G.Z. and ZHUKHOVITSKII, E.M.: On the spectrum of perturbations of plane-parallel flows at low Reynolds numbers	1	93
BONDARENKO, V.I., KRASOVSKII, N.N. and FILIMONOV, Iu.M.: On the problem of bringing a linear system to its equilibrium position	5	982

	Ио	Page
BORISOV, V.M.: Variational problem on three-dimensional supersonic flows	1	112
BULAKH, B.M: Shock waves in conical flows	5	1142
BULGAKOV, N.G. and KRASOVSKII, N.N.: On stabilization of		
nonstationary systems	6	1269
BULYGIN, A.N.: see AERO, E.L.	2	333
BYCHKOV, Iu.P.: Rolling of rigid body on a fixed surface	3	681
CHEREPANOV, G.P.: The pressure of a rigid body on plates and membranes	2	316
CHEREPANOV, G.P.: On the theory of the normal combustion velocity	4	941
CHERKESOV, L.V.: Three-dimensional Cauchy-Poisson problem for waves in a viscous fluid	6	
CHERNOUS'KO, F.L.: Self-similar motion of a liquid under the action of surface tension	1	5 <b>7</b>
CHERNOUS'KO, F.L.: Motion of a thin fluid layer under the action of gravity and surface tension forces	5	1013
CHERNYI, G.G.: Wings in hypersonic flow	4	739
DEM'IANOV, V.F. and KHUDIAKOV, L.Iu.: Solution of an integer	·	
problem of quadratic programing	1	170
DIKII, L.A.: On the nonlinear theory of hydrodynamic stability D'IACHENKO, V.F. and IMSHENNIK, V.S.: A cylindrically symmetric	5 6	1009
shock wave in the presence of dissipative phenomena	O	1172
EGLIT, M.E.: A generalization of the model of an ideal compressible fluid	2	395
ELISEEV, B.V.: On the damping of homogeneous turbulence in a magnetic field	5	1133
ENTOV, V.M.: Comparison theorems for the equations of nonstationary filtration	1	221
ENTOV, V.M.: see BARENBLATT, G.I.	6	1155
EVTUSHENKO, Iu.G.: Asymptotic methods of integrating the equations of motion of artificial Earth satellites in the	•	460
presence of aerodynamic forces	3	469
FEDOS'EV, V.I.: On a stability problem	2	445
FERTMAN, B.S.: see GURETSKII, V.V.	5	1114
FILATOV, A.N.: see SAGITOV, M.S.	5	187
FILIMONOV, Iu.M.: see BONDARENKO, V.I.	5	982
FRIDLENDER, O.G.: Locally Maxwellian solutions of Boltzmann's equation	5	1147
FROLOV, A.P.: Motion of a thin layer of a heavy fluid over the	5	1119
surface of a solid body	5 5	48
FUFAEV, N.A.: see NEIMARK, Iu.I.	כ	40
GAL'PERIN, E.A.: On the stabilization of steady-state motions of a nonlinear control system in the critical case of a pair of pure imaginary roots	6	1257
GERSHUNI, G.Z.: see BIRIKH, R.V.	1	93
GOL'DENVEIZER, A.L.: On the errors and possible corrections to classical linear shell theory	4	832
GOL'DENVEIZER, A.L. and KOLOS, A.V.: On the derivation of two- dimensional equations in the theory of thin elastic plates	1	151
GOL'DSHTEIN, R.V.: Rayleigh waves and resonance phenomena in elastic bodies	3	608
GRIGORIAN, S.S.: The stable form of equilibrium of a pebble beach subjected to surf	2	440

	Ио	Page
GRUNTFEST, R.A.: Ship waves in uniformly accelerated motion	1	211
GURETSKII, V.V.and FERTMAN, B.S.: A problem of optimum control.	5	1114
GUREVICH, M.I.: The effect of an aperture on the drag of a body under flow separation conditions	2	400
GUROVICH, V.Ts. and STANIUKOVICH, K.P.: On the application of general variational principles in the relativistic mechanics of an ideal fluid	1	18
GUSEIN-ZADE, M.I.: On the conditions of existence of decaying solutions of the two-dimensional problem of the theory of elasticity for a semi-infinite strip	2	447
GUSEIN-ZADE, M.I.: On necessary and sufficient conditions for the existence of decaying solutions of the plane problem of the theory of elasticity for a semistrip	4	892
IAVORSKAIA, I.M.: Diffraction of plane elastic waves by smooth convex cylinders	3	578
IAVORSKAIA, I.M.: The short wave asymptotic solution for the diffracted field due to plane transverse waves incident on		
a sphere	6	1206
IMSHENNIK, V.S.: see D'IACHENKO, V.F.	6	1172
IUDOVICH, V.I.: Example of the generation of the secondary stationary or periodic flow when there is loss of stability of the laminar flow of a viscous incompressible fluid	3	527
IVANILOV, Iu.P.: Asymptotic axisymmetric swirling jet of ideal incompressible fluid	3	716
KAGANOV, S.A.: On the theory of flame propagation	2	379
KALANDIIA, A.I.: On the stresses in a piecewise homogeneous medium	4	930
KALMYKOVA, S.S.: Diffraction of a plane wave at the junction of an ideally conductive and a dielectric wedge	2	408
KAMENKOV, G.V.: On the problem of stability of motion in critical cases	6	1239
KHARASAKHAL, V.Kh.: Application of the point transformation method to quasi-periodic oscillations of nonlinear systems	3	703
KHARIN, V.T.: On the calculation of characteristic values by the Bubnov-Galerkin method and its application in the theory of hydrodynamic stability.	6	
KHARLAMOV, P.V.: Polynomial solutions of the equations of motion of a body with a fixed point	1	26
KHARLAMOV, P.V.: On uniform rotations of a body with a fixed point	2	422
KHARLAMOV, P.V.: Solutions of the equations of rigid body dynamics	3	673
KHARLAMOVA, E.I.: Some solutions of the problem of motion of a body with a fixed point	4	868
KHRAMOV, N.E.: Analysis of a nonuniform gas flow past a sphere	1	191
KHUDIAKOV, L.Iu.: see DEM'IANOV, V.F.	1	170
KISELEV, O.M.: Capillary waves in a channel with a polygonal bottom	1	199
KOGAN, A.M.: Derivation of Grad's type equations and study of their relaxation properties by the method of maximization of entropy	1	130
KOLOS, A.V.: see GOL'DENVEIZER, A.L.	1	130 151
KOLOS, A.V.: Methods of refining the classical theory of bending and extension of plates	4	914

	No	Page
KOLESNIKOV, S.M. and STANIUKOVICH, K.P.: Nonstationary adiabatic cenrally-symmetric motions of matter in the general theory of relativity	4	848
KON'KOV, V.L.: On the solution of some problems of the theory of probe measurements of semiconductor film parameters	4	938
KOROTKIN, A.I.: The stability of plane Poiseuille flow in the presence of elastic boundaries	6	
KOSACHEVSKII, L.Ia.: Reflection of magneto-acoustic waves at the boundary between two media with finite electric conductivity	2	403
KOSHLIAKOV, V.N.: On the application of the Rodrigues-Hamilton and Cayley-Klein parameters in the applied theory of gyroscopes	4	863
KOSMODEM'IANSKII, V.A.: Necessary conditions of the calculus of variation for a problem of Bolza-Mayer type	2	416
KRAIKO, A.N. and SLOBODKINA, F.A.: On solution of variational problems of one-dimensional magneto-hydrodynamics	2	362
KRAIKO, A.N. and STERNIN, L.E.: Theory of flows of a two-velocity continuous medium containing solid or liquid particles	y 3	482
KRASOVSKII, N.N.: On the problem of damping of a linear system under minimum control intensity	2	245
KRASOVSKII, N.N.: see BONDARENKO, V.I.	5	982
KRASOVSKII, N.N: see BULGAKOV, N.G.	6	1269
KRASOVSKII, N.N. and SHELEMENT'EV, G.S.: Corrections to the motion of a system with two degrees of freedom having one	3	459
cyclic coordinate	2	386
KRYLOV, V.S.: see VOROTILIN, V.P.	_	-
KULIKOVSKII, A.G.: see BARMIN, A.A.	4	731
KUVSHINSKII, E.V.: see AERO, E.L.	2	333
KUZ'MIN, Iu.N. and UFLIAND, Ia.S.: Axisymmetric problem in the theory of elasticity for a half-space weakened by a plane circular crack	6	
KUZNETSOV, E.N.: Theory of instantaneously rigid nets	3	654
LADYZHENSKII, M.D.: On hypersonic flows in nozzles	1	105
LADYZHENSKII, M.D.: Strong interaction between the boundary layer and the inviscid flow past a triangular wing	4	760
LETOVA, T.A.: On a particular case of damping of a gyrostat rotation	6.	
LEVICH, V.G.: see VOROTILIN, V.P.	2	386
LIKHODED, A.I.: Steady-state vibrations of plates with free edges	5	1084
LOBANOVA, L.F.: see BARMIN, A.A.	4	731
LOITSIANSKII, L.G.: The universal equations and parametric approximations in the theory of the laminar boundary layer	1	74
LOMAKIN, V.A.: Deformation of microscopically nonhomogeneous elastic bodies	5	1048
LUR'E, A.I.: Correction to the paper "A theorem of dynamics" (PMM, Vol.28, No.6, 1964)	1	231
LUR'E, A.I.: see VALEEV, K.G.	2	265
MATVEEVA, N.S. and SYCHEV, V.V.: On the theory of strong interaction of the boundary layer with an inviscid hypersonic flow	4	770
MIASNIKOV, V.P.: see MOSOLOV, P.P.	3	545
MIKHAILOV, V.N.: Interference between plane surfaces in supersonic gas flow	5	1138

	Ио	Page
MINDLIN, I.M. and POZHARITSKII, G.K.: On the stability of steady motions of a heavy body of revolution on an absolutely rough horizontal plane	4	679
MOISEEV, N.N.: On some properties of fluid flow under the action of surface tension forces	6	1197
MOSOLOV, P.P. and MIASNIKOV, V.P.: Variational methods in the theory of the fluidity of a viscous plastic medium	3	545
MOSSAKOVSKII, V.I. and RYBKA, M.T.: An attempt to construct a theory of fracture for brittle materials, based on Griffith's criterion	2	326
MOVCHAN, A.A.: On one problem of stability of a pipe with a fluid flowing through it	4	902
NAGAEV, R.F.: Synchronization in a system essentially nonlinear objects with a single degree of freedom	2	235
NAGAEV, R.F.: General problem of synchronization in an almost conservative system	5	953
NEIMARK, Iu.I. and FUFAEV, N.A.: Stability of the equilibrium states of nonholonomic systems	1	48
NEMCHINOV, I.V.: Expansion of a tri-axial ellipsoid in a regular behavior	1	143
NIKITIN, A.K.: On ship waves on the surface of a viscous fluid of infinite depth	1	204
NIKOLAEV, Iu.M.: Solution for a plane shock wave moving through a lightly curved interface of two media	Ħ	785
NOVOZHILOV, V.V.: On plastic cavitation	4	811
NOVOZHILOV, V.V. and SLEPIAN, L.I.: On Saint-Venant's principle in the dynamics of beams	2	293
OBOROTOV, I.P.: Long cylindrical waves in a viscous fluid	1	217
OSIPOV, Iu.S.: On the reduction principle in critical cases of stability of the motion of time-lag systems	5	963
OSTROVSKII, G.M.: see VOLIN, Iu.M.	3	708
PAL'MOV, V.A.: Thin shells acted on by broadband random loads	4	905
PILIUTIK, A.G. and TALALAEV, P.A.: On improving the estimates of the solutions of a system of linear differential equations with variable coefficients	6	1282
PLOTNIKOVA, G.V.: On the stability of periodic solutions of non-self-contained quasi-linear systems with two degrees of freedom	6	1273
PONOMARENKO, Iu.B.: On abrupt onset of steady flows in hydrodynamics	2	347
POZHARITSKII, G.K.: see MINDLIN, I.M.	4	679
POZHARITSKII, G.K.: Characteristic damping exponents for vibrations of mechanical systems with partial dissipation	5	1090
POZHARITSKII, K.G.: Vanishing sliding motions of mechanical systems with dry friction	3	661
PROKOPOV, V.K.: Application of the symbolic method to the derivation of the equation of the theory of plates	5	1064
PROSKURIAKOV, A.P.: Stability of single-frequency periodic solutions of quasi-linear self-contained systems with two degrees of freedom	5	1106
REGIRER, S.A. and RUTKEVICH, I.M.: The electric field in a magneto-hydrodynamic channel containing a moving medium with variable conductivity	5	1029
REPIN, Iu.M.: On the approximate replacement of systems with lag by ordinary dynamical systems	2	254

	Ио	Page
PERIN TO M . Ougdastic Lienung Constrant Com		
REPIN, Iu.M.: Quadratic Liapunov functionals for systems with delay	3	669
REPNIKOV, M.N.: On the theory of axisymmetric turbulence	2	402
ROITENBERG, Ia.N.: A corrigible horizontal gyrocompass	4	856
ROITENBERG, Ia.N.: On the construction of Liapunov's functions for systems of linear finite difference equations with		
variable coefficients	5	975
ROITENBERG, L.Ia.: On the motion of a gyrocompass with random displacements of its point of support	1	179
ROSTOVTSEV, N.A.: see ZAKORKO, V.N.	3	644
RUTKEVICH, I.M.: see REGIRER, S.A.	5	1029
RYBKA, M.T.: see MOSSAKOVSKII, V.I.	2	326
RYKOV, G.V.: see ZVOLINSKII, V.N.	4	801
RYKOV, V.A.: On an exact solution of the equations of magneto- gas-dynamics of finite conductivity	1	194
RYZHOV, O.S.: Asymptotic pattern of flow past bodies of		
revolution in a sonic stream of viscous and heat-conducting gas	6	1185
SAGITOV, M.S. and FILATOV, A.N.: On Liapunov stability in the	U	1105
critical case of a characteristic equation with an even		
number of roots equal to zero	1	187
SALGANIK, R.L.: see BARENBLATT, G.I.	6	1155
SALGANIK, R.L.: see VOROVICH, I.I.	6	
SEDOV, L.I.: On the ponderomotive forces of interaction of an electromagnetic field and an accelerating material continuum, taking into account finite deformations	1	2
SEMENOVA, L.N.: On Routh theorem for nonholonomic systems	1	167
SEVOST'IANOV, G.D.: Two-dimensional transonic gas flow far from	1	107
a profile located in a channel	5	1021
SHCHEGLOV, G.N.: see VALEEV, G.K.	3	694
SHELEMENT'EV, G.S.: see KRASOVSKII, N.N.	3	459
SHIFRIN, E.G.: On flows of an ideal gas whose sonic surface coincides with a characteristic surface	4	943
SHINDIAPIN, G.P.: Regular reflection of weak shock waves from a rigid wall	1	121
SHINDIAPIN, G.P.: Conditions for regular interaction of weak shock waves	6	
SHMYGLEVSKII, Iu.D.: Maximum drag in supersonic flow	3	723
SIMONENKO, V.A.: see ZABABAKHIN, E.I.	2	375
SKOBEEV, A.M.: On plane elastic-plastic waves	3	599
SKOBEEV, A.M.: On the formulation of the problem of impact of a viscous-plastic bar	4	934
SLEPIAN, L.I.: see NOVOZHILIV, V.V.	2	293
SLOBODKINA, F.A.: see KRAIKO, A.B.	2	362
SMETANIN, B.I.: see ALEKSANDROV, V.M.	4	926
SMIRNOV, V.A.: Flow in a uniformly expanding layer and expansion of a gas volume into vacuum	5	1122
SMORODIN, A.I.: On the use of an asymptotic method for analyzing waves with unsteady motion of the source	1	65
SRETENSKII, L.N.: Formation of waves of finite amplitude by a	4	-
fluid source STANTHKOVICH V P. SOO CHROVICH V TS	1	795 18
STANIUKOVICH, K.P.: see GUROVICH, V.Ts.	Τ.	10

	ИО	Page
STANIUKOVICH, K.P.: see KOLESNIKOV, S.M.	4	848
STAVRAKOVA, N.E.: The principle of Hamilton-Ostrogradskii for systems with one-sided constraints	4	874
STERNIN, L.E.: see KRAIKO, A.N.	3	482
SYCHEV, V.V.: see MATVEEVA, N.S.	4	770
SYCHEV, V.V.: On the theory of strong explosion in heat- conducting gas	6	1177
TALALAEV, P.A.: see PILIUTIK, A.G.	6	1282
TER-KRIKOROV, A.M.: Theory of stationary waves in an inhomogeneous fluid	3	510
TOMILOV, E.D.: On the method of invariant transformations of the gas dynamics equations	5	1130
TROITSKII, V.A.: Optimization of motion for a two-stage rocket	4	884
TSODOKOVA, N.S.: On the permanent axes of rotation of a gyrostat with a fixed point	6	1296
TURIN, V.Ia.: Stability of solutions of a system of differential equations with discontinuous right-hand sides in the critical case	5	1097
UFLIAND, Ia.S.: see KUZ'MIN, Iu.N.	6	
VAKHANIIA, N.N.: On the stability of spinning of a top with a liquid filled cavity	1	36
VALEEV, G.K. and SHCHEGLOV, G.N.: Some cases of integrability of the equations of the perturbed motion of a material point in a central force field	3	694
VALEEV, K.G.: On the problem of the motion of an axially symmetrical body under the action of a constant moment	1	175
VALEEV, K.G.: On a case of integrable equations of perturbed motion of a satellite	4	946
VALEEV, K.G.: The questions of motion for an Earth satellite taking into account atmospheric drag	6	1292
VALEEV, K.G. and LUR'E, A.I.: On the motion of the satellite inertia center in the Earth's gravitational field	2	265
VALOV, G.M.: Solution of mixed problems on the torsion of an infinite elastic cylinder by the method of dual integral equations and differentiation of the boundary conditions	3	628
VOLIN, Iu.M. and OSTROVSKII, G.M.: Optimization of a system with disturbed parameters	3	708
VOROTILIN, V.P., KRYLOV, V.S. and LEVICH, V.G.: On the theory of extraction from a falling droplet	2	386
VOROVICH, I.I.: Some comments on R.L. Salganik's paper "Estimating the error committed in passing from the exact equations of the theory of elasticity to the equations of	_	000
the plane state of stress" (PMM, Vol.28, Nº 4, 1964)  VOROVICH, I.I.: General representations of solutions of the	1	228
equations in the theory of multilayer anisotropic shells	4	820
VOLOVICH, I.I.: see BAZARENKO, N.A.	6	1219
VOROVICH, I.I. and SALGANIK, R.L.: On asymptotic estimates in the theory of thin plates	6	
VOROVICH, I.I. and ZIPALOVA, V.F.: On the solution of nonlinear boundary value problems of the theory of elasticity by a method of transformation to an initial value Cauchy problem	5	1055
ZABABAKHIN, E.I. and SIMONENKO, V.A.: Convergent shock wave in a heat conducting gas	2	375
ZAKORKO, V.N. and ROSTOVTSEV, N.A.: Dynamic contact problem of steady vibrations of an elastic half-space	3	644

	Ио	Page
ZASTAVENKO, L.G.: Particle-like solutions of a nonlinear wave equation	3	497
ZHUKHOVITSKII, E.M.: see BIRIKH, R.V.	1	93
ZIPALOVA, V.F.: see VOROVICH, I.I.	5	1055
ZVOLINSKII, V.N. and RYKOV, G.V.: Reflection and refraction of a plane plastic wave at the interface between two half-spaces	4	801