AUTHOR INDEX TO VOLUME 26

	No.	Page
ABRAMIAN, B.L. and BABLOIAN, A.A., On a contact problem connected with the torsion of a hollow semisphere	3	703
AFANAS'EV. E.F., Diffraction of a nonstationary pressure wave on a moving plate	1	268
ALEKSANDROV, A.Ia. and SOLOV'EV, Iu.I., One form of solu- tion of three-dimensional axisymmetric problems of elasticity theory by means of functions of a complex variable and the solution of these problems for the		
sphere	1	188
ALEKSANDROV, V.M., On the approximate solution of a certain type of integral equation	5	1400
ALISHAEV, M.G., Forced convection of a compressible viscous gas near a heat source	1	264
ANCHEV, A., On the stability of permanent rotations of a heavy gyrostat	1	26
ARKHANGEL'SKII, Iu.A., On single-valued integrals in the problem of motion of a solid body in a Newtonian field of forces	3	850
ARKHANGEL'SKII, Iu.A., On the theorem of Poincaré con- cerning a motion of a rigid body in a Newtonian force field	6	1693
ARUTIUNIAN, N.Kh. and MANUKIAN, M.M., On the indentation of a rigid wedge into a semiplane under conditions of	-	
steady creep	1	226
BABLOIAN, A.A. See Abramian, B.L.	3	703
BAGIN, V.M., On the theory of steady progressive waves on the surface of a fluid of infinite depth	5	1284
BAKLANOVSKAIA, V.F., Several nonlinear problems in transient filtration	1	277

	No.	Page
BARANOV, V.B., On the derivation of the equations of anisotropic magnetohydrodynamics	6	1653
BARENBLATT, G.I., SALGANIK, R.L. and CHEREPANOV, G.P., On the nonsteady propagation of cracks	2	469
BARENBLATT, G.I. and ISHLINSKII, A.Iu., On the impact of a visco-plastic bar on a rigid obstacle	3	740
BARMIN, A.A., A study of discontinuity surfaces with energy release (or absorption) in magnetohydro- dynamics	5	1219
BOGACHEVA, A.A. and LADYZHENSKII, M.D., On one self- similar solution to the magnetohydrodynamic equations	5	1247
BOGORIAD, I.B., On the solution by a variational method of the problem of the oscillations of a liquid partially filling a cavity	6	1704
BOLOTIN, V.V., Erratum in the paper "The edge effect in the oscillations of elastic shells"	2	578
BULAKH, B.M., Supersonic flow around an inclined circular cone	2	430
BULAKH, B.M., Remarks on the paper by J.W. Reyn "Differential-geometric considerations on the hodo- graph transformation for irrotational conical flow"	4	1200
BULAKH, B.M., On the nonsymmetric hypersonic flow around a circular cone	5	1473
CHEKMAREV, I.B., On the steady flow of a viscous electrically conducting gas in a plane channel in the presence of transverse fields	4	1194
CHELPANOV, I.B., Vibration of a second order system with randomly varying parameter	4	1145
CHELPANOV, I.B., The errors of compensated gyroscopic instruments with randomly varying velocity error	5	1440
CHEREPANOV, G.P. See Barenblatt, G.I.	2	469
CHEREPANOV, G.P., An elastic-plastic problem under condi- tions of antiplanar deformation	4	1040

No. Page

CHEREPANOV, G.P., Solution of a linear boundary problem of Rieman for two functions and its application to certain mixed problems in the plane theory of elasticity	5	1369
CHEREPANOV, G.P., Inverse elastic-plastic problem for antiplane strain	6	1743
CHERKESOV, L.V., On the development of waves on the free surface and on the surface separating two fluids under the action of traveling pressures	3	833
CHERNOUS'KO, F.L., On motions of an ideal fluid with a pressure discontinuity along the boundaries	2	543
DEGTIAREV, V.G., On the stability of circular motions	4	1174
DEGTIAREV, V.G., On the stability of motion in the generalized problem of two immovable centers	6	1697
DEICH, E.G., On an axially symmetrical contact problem for a nonplane die, circular in plan	5	1404
DOVNOROVICH, V.I., On the state of stress in an elastic body with a plane crack (cut)	2	487
EGLIT, M.E., Models of a continuous media with non- holonomic equations of state	4	1078
ERSHOV, L.V., Influence of the Bauschinger effect on the buckling of a compressed strip	3	865
FAL'KOVICH, S.V., On the theory of quasilinear equations	3	855
FILIMONOV, G.F., On the evaluation and the study of particular solutions of the generalized Hill equation	3	678
FILONENKO-BORODICH, M.M., On the plane problem for a wedge	3	874
FLITMAN, L.M., On the motion of a rigid strip-mass lying on an elastic half-space and excited by a seismic wave	6	1582
GALKIN, V.S., On lift in free molecular flow	3	848
GNOENSKII, L.S., On an optimal control problem	1	253
GNOENSKII, L.S., On optimization of tracking systems	4	1153
GNOENSKII, L.S., On the tracking problem	5	1451

	No.	Page
GOGOSOV, V.V., On the resolution of an arbitrary dis- continuity in magnetohydrodynamics	1	118
GOL'DENVEIZER, A.L., Derivation of an approximate theory of bending of a plate by the method of asymptotic integration of the equations of the theory of elasticity	4	1000
GONCHARENKO, V.M., Study of the probability of snap- through of a long cylindrical panel under random pressure	4	1107
GORSHIN, S.I., On the stability "in the large" of the solution of a denumerable system of differential equations under continuously acting disturbances	2	305
GRIGORIAN, S.S., On the paper "Penetration of a wedge into compressible half-space" by Z.N. Dobrovol'skaia	3	829
GRIGORIAN, S.S., On an approximate solution of certain problems of soil dynamics	5	1425
GRINBERG, G.A., On some types of flow of a conducting fluid in pipes of rectangular cross-section, placed in a magnetic field	1	106
ILLARIONOV, V.F. and SHKADOV, L.M., Rotation of the plane of a circular satellite orbit	1	17
ISHLINSKII, A.Iu. See Barenblatt, G.I.	3	740
IUDOVICH, V.I. See Srubshchik, L.S.	5	1378
IVANOV, Iu.N., Optimal variation of power for the motion of a body of a variable mass in a gravitational field	4	1178
IVLEV, D.D., On perfectly plastic flow of a material with residual microstresses taken into account	4	1058
KARLIKOV, V.P. and KOROBEINIKOV, V.P., On the motion of a plane piston in a medium of finite conductivity, under the influence of an electromagnetic field	5	1468
KARYMOV, A.A., Determination of forces and moments due to light pressure acting on a body in motion in cosmic space	5	1310
KHARLAMOV, S.A., On the motion of a gyroscope supported by ball bearings on gimbals	2	529

	NO.	TOPC
KHAS'MINSKII, R.Z., On the stability of the trajectory of Markov processes	6	1554
KHMELEVSKII, I.L., On a problem of Chaplygin	2	289
KHODZHAEV, K. Sh., Free vibrations of a circular ring with equidistant masses	6	1736
KHOMENIUK, V.V. See Stepanov, K.N.	3	695
KLIMUSHEV, A.I., On asymptotic stability of systems with after-effect containing a small parameter as coeffi- cient of the derivatives	1	68
KOGAN, M.N., Hypersonic flows of rarefied gas	3	775
KOLESNIKOV, K.S., On special properties of a pendulum system	4	1168
KOLESNIKOV, N.N., On the stability of a free rigid body with a cavity filled with an incompressible viscous fluid	4	914
KOROBEINIKOV, V.P. See Karlikov, V.P.	5	1 468
KOSACHEVSKII, L.IA., On reflection of magneto-acoustic waves	5	1276
KOSHLIAKOV, V.N., On the stability of motion of a horizontal gyrocompass in the presence of dissipative forces	3	615
KRASOVSKII, N.N., On the analytic construction of an optimal control in a system with time lags	1	50
KRASOVSKII, N.N., On a problem of tracking	2	314
KRAUKLIS, P.V., On some 10w frequency vibrations of a liquid layer in an elastic medium	6	1685
KREMENTULO, V.V., On the stability of motion of a gyroscope on gimbals in a conservative force field	1	259
KULIKOVSKII, A.G., On the structure of shock waves in magnetohydrodynamics with arbitrary dissipation law	2	392
KULIKOVSKII, A.G., The structure of shock waves	4	950
KULIKOVSKII, A.G. and LIUBIMOV, G.A., The structure of a magnetohydrodynamic shock wave in a gas with an anisotropic conductivity	4	1197

No.

Page

V

	No.	Page
KURDIUMOVA, N.V., On the two-dimensional motion of a thick elliptical wing under a free surface	4	1208
KUZNETSOV, A.I., Penetration of rigid dies into a half- space with power-law strain-hardening and with non- linear creep of the material	3	717
LADIKOV, Iu.P., Properties of plane and axisymmetrical stationary flows in magnetohydrodynamics	6	1646
LADYZHENSKII, M.D., Analysis of the equations of hyper- sonic flow and the solution of the Cauchy problem	2	414
LADYZHENSKII, M.D., On the efflux of a viscous gas into a vacuum	4	965
LADYZHENSKII, M.D. See Bogacheva, A.A.	5	1247
LEKHNITSKII, S.G., Radial distribution of stresses in a wedge and in a half-plane with variable modulus of elasticity	1	199
LEKHNITSKII, S.G., The elastic equilibrium of a trans- versely isotropic layer and a thick plate	4	1026
LEONOV, A.I., The slow stationary flow of a viscous fluid about a porous sphere	3	842
LIASHENKO, V.F., On the reduction of the equations of motion of a gyrohorizoncompass and two-gyroscope vertical	2	537
LIDSKII, E.A., On the analytic design of controls in systems with random characteristics	2	373
LIUBARSKII, G.Ia., On the existence of shock waves of small intensity	3	761
LIUBIMOV, G.A., On the solution of certain problems in magnetohydrodynamics with anisotropic conductivity	3	789
LIUBIMOV, G.A. See Kulikovskii, A.G.	4	1197
LIUBIMOV, G.A., On the formulation of the problem of the magnetohydrodynamic boundary layer	5	1233
LIUBIMOV, G.A., Magnetohydrodynamic boundary layer in a medium with anisotropic conductivity for small magnetic Reynolds numbers	6	1 63 2

	No.	Page
LUNEV, V.V., Hypersonic flows around thin blunted power-law shapes	2	572
LUR'E, A.I., Remarks concerning the paper "On some optimum rocket trajectories" by G. Leitmann	2	576
LUR'E, K.A., On the propagation of disturbances in systems with nonlinear boundary conditions	3	749
MAKEEV, N.N., On the collision of gaseous jets	2	441
MANUKIAN, M.M. See Arutiunian, N.Kh.	1	22 6
MARKHASHOV, L.M., On the separation and computation of the roots of an algebraic equation	4	1163
MATROSOV, V.M., On the stability of motion	5	1337
MATROSOV, V.M., On the theory of stability of motion	6	1506
MIL'SHTEIN, G.N., On the approximate realization of responses using transient curves	4	938
MONIN, A.S., On the Lagrangean equations of the hydro- dynamics of an incompressible viscous fluid	2	458
NEUVAZHAEV, V.E., The propagation of a spherical blast wave in a heat-conducting gas	6	1657
NIGUL, U.K., Asymptotic theory of statics and dynamics of elastic circular cylindrical shells	5	1393
NOVIKOV, S.S. and RIAZANTSEV, Iu.S., On the reflection of a plane sound wave from the open end of a circular tube	2	549
OGANESIAN, R.S. See Vardanian, V.A.	1	142
OGURTSOV, K.I., On the calculation of wave fields in	Ĩ	144
elastic homogeneous media with plane parallel partitioning boundaries	2	503
OGURTSOV, K.I., PAKHOMENKO, L.S. and SUTIAGINA, A.I., Some exact and approximate solutions to dynamic		
problems in the theory of elasticity	4	1115
PAKHOMENKO, L.S. See Ogurtsov, K.I.	4	1115
PAL'MOV, V.A., The thin plate under accidental loading	3	858

	¥0.	Page
PERLIN, P.I., On the equations of plasticity for a certain limiting condition	3	870
PLOTNIKOVA, G.V., On the construction of periodic solu- tions of a nonautonomous quasilinear system with one degree of freedom near resonance in the case of double		
roots of the equation of fundamental amplitudes	4	1123
PONIATOVSKII, V.V., Theory for plates of medium thickness	2	478
POPOV, E.P., On features of introducing a small parameter in the investigation of nonlinear oscillations in automatic systems	1	82
POPOV, G.Ia., The contact problem of the theory of elasticity for the case of a circular area of contact	1	207
POZHARITSKII, G.K., On the stability of equilibrium states for systems with dry friction	1	3
POZHARITSKII, G.K., The minimum problem of the stability of the equilibrium of a solid body partially filled with liquid	4	895
PRITULO, M.F., On the determination of uniformly accurate solutions of differential equations by the method of perturbation of coordinates	3	661
PROSKURIAKOV, A.P., On the construction of periodic solutions of quasilinear autonomous systems with several degrees of freedom	2	519
PRUDNIKOV, M.M., Spectral analysis of the Friedman- Keller equations of homogeneous turbulence	6	1666
RAKOV, A.F., Analysis of parallel beams on elastic foundation	3	883
REGIRER, S.A. See Vatazhin, A.B.	3	816
RIAZANTSEV, Iu.S. See Novikov, S.S.	2	549
RODIONOV, A.M., Expansions of solutions of differential equations with retardation in power series of small retardation	5	1430
ROITENBERG, Ia.N., Some problems of the theory of dynamic programming for nonlinear systems	3	623

	No.	Page
ROITENBERG, Ia.N., Some problems of the theory of dynamic programming for nonlinear sampled date systems	4	924
ROITENBERG, Ia.N., On the reduction of certain dynamic programming for nonlinear systems to transcendental equations	5	1436
ROITENBERG, Ia.N., On the determination of the position of a nonlinear sampled data system in phase space	6	1728
ROITENBERG, L.Ia., Gyroscopic tracking systems in the presence of multidimensional random disturbances	2	356
RUMIANTSEV, V.V., On the stability of stationary motions of rigid bodies with cavities containing fluid	6	1485
RYZHOV, O.S., On the energy of sound waves	2	452
RYZHOV, O.S. and SHEFTER, G.M., On the enrgy of acoustic waves propagating in a moving media	5	1293
SAKHNOVSKII, E.G. and UFLIAND, Ia.S., The influence of anisotropic conductivity on the unsteady motion of a conducting gas in a plane channel	3	806
SALGANIK, R.L. See Barenblatt, G.I.	2	469
SAMOILOVICH, G.S., Calculating the nonstationary flow around a lattice of arbitrary profiles which vibrate with an arbitrary phase shift	1	172
SHACHNEV, V.A., Variational solution of the axisymmetric problem of thermoelasticity	6	1566
SHAPIRO, G.S., On the motion of rigid-plastic bodies in a resisting medium	2	491
SHARIKADZE, D.V., On a nonstationary problem of flow of viscous incompressible fluid	5	1461
SHEBALOV, A.N., On the wave resistance and lift of a plane contour of arbitrary form in unsteady motion under a free surface	6	1673
SHEFTER, G.M. See Ryzhov, O.S.	5	1293
SHKADOV, L.M. See Illarionov, V.F.	1	17
SHLIOMIS, M.I., Stability of a rotating liquid heated from below with respect to periodic perturbations	2	384

ix

	No.	Page
SHNYGLEVSKII, Iu.D., Variational problems for supersonic bodies of revolution and nozzles	1	150
SHTAIDTEN, K., On the synthesis of linear automatic control systems with bounds on the displacements of the regulating elements using the criterion of minimum mean square error at any given instant of time	1	93
SIDOROV, A.F., On certain exact solutions of unsteady two-dimensional gasdynamics	2	557
SKOBEEV, A.M., On the theory of the unloading waves	6	1605
SLOBODKIN, A.M., On the stability of the equilibrium of conservative systems with an infinite number of		
degree of freedom	2	513
SOLOV'EV, lu.I. See Aleksandrov, A.Ia.	1	188
SRETENSKII, LEONID NIKOLAEVICH - On his sixtieth birthday	3	585
SRUBSHCHIK, L.S. and IUDOVICH, V.I., Asymptotic integra- tion of the system of equations for the large		
deflections of a symmetrically loaded shells of revolution	5	1378
STARZHINSKII, V.M., Free entirely elastic oscillatory chains	1	238
STEPANOV, K.N. and KHOMENIUK, V.V., On the stability conditions of equilibrium magnetohydrodynamic con-	•	
figurations	3	695
SUTIAGINA, A.I. See Ogurtsov, K.I.	4	1115
SVEKLO, V.A., The mixed problem for the elastic aniso- tropic halfplane	5	1354
SVESHNIKOV, A.A., On the motion of a gyroscopic pendulum with random displacements of its point of suspension	3	601
TAMUZH, V.P., On a minimum principle in dynamics of rigid-plastic bodies	4	1067
TEREGULOV, I.G., On a variational theorem of the non- linear theory of elasticity	1	234
TEREGULOV, I.G., On the formulation of refined theories of plates and shells	2	495

x

TEREGULOV, I.G., On the variational methods of solution of problems of steady-state creep in plates and shells in the case of finite displacements	3	733
TEREGULOV, I.G., On the unsteady creep of plates and shells with small displacements	4	1090
TER-KRIKOROV, A.M., On internal waves in an inhomogeneous fluid	6	1617
TKALICH, V.S., Two-parameter motions in magnetogasdynamics (Gromeko and Chaplygin transformations)	1	130
TOKAREV, V.V., The influence of random processes of power reduction on the motion of a body of a variable mass in a gravitational field	4	1184
TROITSKII, V.A., On variational problems of optimization of control processes	1	35
TROITSKII, V.A., Variational problems of optimization of control processes for equations with discontinuous right-hand sides	2	336
TROITSKII, V.A., Variational problems in the optimiza- tion of control processes in systems with bounded coordinates	3	641
TROITSKII, V.A., Variational problems of optimization of control processes with functionals depending on intermediate values of the coordinates	6	1523
TSEL'MAN, F.Kh., On the stability of rotation of a solid with an ellipsoidal cavity filled with liquid	6	1714
UFLIAND, Ia.S. See Sakhnovskii, E.G.	3	806
UFLIAND, Ia.S., Nonstationary plane parallel flow of a viscous electrically conducting gas with an aniso- tropic conductivity	5	1267
VALEEV, K.G., On linear differential equations with exponential coefficients and stationary delays of the argument. Regular case	3	668
VALEEV, K.G., Investigation of the stability of the solutions of a linear differential equation with periodic coefficients and with stationary delays in		
the argument by the method of Hill	4	1134

No.

Page

xi

VALEEV, K.G., On linear differential equations with exponential coefficients and stationary lags in the 6 1536 argument. Irregular case VALOV, G.M., On the axially-symmetric deformations of 975 a solid circular cylinder of finite length 4 VANDAKUROV, Iu.V., On the theory of stability of a fluid conducting cylinder in a magnetic field 5 1325 VARDANIAN, V.A. and OGANESIAN, R.S., Contribution to the theory of stability of a plane layer of gravitating fluid, with density decaying exponentially within 142 1 a magnetic field VATAZHIN, A.B. and REGIRER, S.A., Approximate calculation of the current distribution when a conducting fluid 816 3 flows along a channel within a magnetic field VOROVICH, I.I., Some asymptotic relations in the statistical theory of stability of shells 4 1099 1719 ZHBANOV, Iu, K., On the theory of the gyro horizoncompass 6 ZHDANOV, V.M., Transport phenomena in a partly ionized 401 2 gas ZHILIN, IU.L., Similarity parameters at high hypersonic 2 568 speeds

No.

Page