

AUTHOR INDEX TO VOL.33

	№	Page
ABDURAKHMANOV, I. M. : On the perturbation of a filtration flow by a single crack	5	845
AKULENKO, L. D. : Steadystate motions in autonomous systems with a deviating argument	2	324
ALEKSANDROV, V. M. : Asymptotic solution of the contact problem for a thin elastic layer	1	49
ANDREEV, V. D. and MALAKHOVA, O. F. : Determining the coefficients of the Legendre polynomial expansion of the Earth's gravitational potential	4	727
ARUTIUNIAN, N. Kh. and MKHITARIAN, S. M. : Periodic contact problem for a half-plane with elastic laps (cover plates)	5	791
AVERBUKH, M. E. and BORUKHOV, L. E. : Note on the errors appearing in the book "Confluent Hypergeometric Functions" by L. J. Slater	2	372
BABESHKO, V. A. : The integral equation of certain dynamic content problems of elasticity theory and mathematical physics	1	40
BABESHKO, V. A. : Certain type of integral equations appearing in contact problems of the theory of elasticity	6	1005
BARANENKO, V. A. and POCHTMAN, Iu. M. : Investigation of the deformation of elastic membranes constrained by restrictions (on displacements) by the method of dynamic programming	5	912
BARENBLATT, G. I. and SIVASHINSKII, G. I. : Self-similar solutions of the second kind in nonlinear filtration	5	836
BAUTIN, N. N. : On approximations and the coarseness of the parameter space of a dynamic system	6	947
BAZARENKO, N. A. and VOROVICH, I. I. : Analysis of the three-dimensional states of stress and strain of circular cylindrical shells. Construction of refined applied theories	3	479
BELOKON', A. V. : Contact problem of the interaction between an elastic disk and two different rigid stamps	1	132
BEREZHNOI, V. N. and KOLESOV, Iu. S. : On a criterion of stability of solutions of an n-th order linear differential equation	3	565
BERMAN, Iu. A. and NAGAEV, R. F. : Diffusive mass transfer in a stationary layer of a granulated material	2	211
BEZHANOV, K. A. : Diffraction of a shock wave on a wedge moving at supersonic speed	4	613
BIRIKH, R. V., GERSHUNI, G. Z., ZHUKHOVITSKII, E. M. and RUDAKOV, R. N. : Stability of the steady convective motion of a fluid with a longitudinal temperature gradient	6	937
BONDAREVA, V. F. : On the effect of an axisymmetric normal loading on an elastic sphere	6	1001
BONDAR', V. D. : On the compatibility equations in terms of strain and stress	6	1058
BORUKHOV, L. E. : see AVERBUKH, M. E.	2	372
BUEVICH, Iu. A. : Statistical mechanics of gas suspensions. A quasi-isotropic model	1	19

	№	Page
BUEVICH, Iu. A. : A hydrodynamic model of disperse systems	3	466
BYKOV, D. L. and SHACHNEV, V. A. : On a generalization of the method of elastic solutions	2	272
BYRKIN, A. P. : Exact solution of the Navier-Stokes equations for a compressible gas	1	152
CHERENKOV, A. P. : The optimal guaranteeing control with single switching	5	759
CHEREPANOV, G. P. : On the development of cavities in viscous bodies	3	529
CHERNOUS'KO, F. L. : On optimization of the tracking process	1	93
CHERNOUS'KO, F. L. : see SOLIANIK, A. I.	4	696
CHERNYI, G. G. : Onset of oscillation in the presence of detonation wave weakening	3	451
CHERNYSHOV, A. D. : On propagation of shock waves in an elasto-plastic medium	1	140
CHESHANOV, B. I. : Resonance oscillations of a special double pendulum	6	1075
DAHLBERG, E. : A modified criterion of instability of motion	2	244
DAHLBERG, E. : Note on a theorem proposed by S. K. Persidskiĭ	6	1103
DEMUTSKII, V. P. and POLOVIN, R. V. : On magnetoplastic flow	6	1036
DOLAPCHIEV, Bl. : Reduction of Nielsen's equations for nonholonomic mechanical systems to Chaplygin's equations	5	894
EFIMOVA, I. T. and UFLIAND, Ia. S. : A generalization of Fourier's integral theorem and its application	5	920
FAM GUEN : One form of the equations of motion of mechanical systems	3	386
FEODOS'EV, V. I. : Axisymmetric elastic properties of a spherical shell	2	261
FIL'SHTINSKII, L. A. : Complete systems of particular solutions in shallow shell theory	4	666
GANIEV, R. F. : see VALEEV, K. G.	3	401
GERSHUNI, G. Z., ZHUKHOVITSKII, E. M. and SHVARTSBLAT, D. L. : Stationary convection in a vertical channel with permeable boundaries	3	461
GERSHUNI, G. Z. and ZHUKHOVITSKII, E. M. : Stability of plane-parallel convective motion with respect to spatial perturbations	5	830
GERSHUNI, G. Z. : see BIRIKH, R. V.	6	937
GOGOSOV, V. V., POLIANSKII, V. A., SEMENOVA, I. P. and IAKUBENKO, A. E. : One-dimensional flows in electrohydrodynamics	2	218
GOL'DENVEIZER, A. L. : Boundary layer and its interaction with the interior state of stress of an elastic thin shell	6	971
GOLOVCHAN, V. T. ; see GUZ', A. N.	4	734
GOLOVIN, A. M. : see VOINOV, O. V.	2	352
GRINBERG, G. A. : Solution of diffusion-type problems for expanding or contracting regions	2	251
GRINBERG, G. A. and KOSS, V. A. : Solution of diffusion type problems for expanding or contracting regions whose form varies with time without preserving similarity	4	731
GRINBERG, G. A. : On the temperature or concentration fields produced inside an infinite or finite domain by moving surfaces at which the temperature or concentration are given as functions of time	6	1021

	№	Page
GUZ', A. N. and GOLOVCHAN, V. T. : Solution of two-dimensional doubly-periodic problems of the theory of steady vibrations of visco-elastic bodies	4	734
IAKUBENKO, A. E. : see GOGOSOV, V. V.	2	218
IL'TUSHINA, E. A. : On a model of continuous medium taking into account the microstructure	5	896
IVANOV, A. B. : Linear problem of rotational oscillations of an elastically coupled rigid sphere in a viscous fluid, bounded by a concentric stationary sphere	2	285
KALANDIYA, A. I. : Remarks on the singularity of elastic solutions near corners	1	127
KALANDIYA, A. I. : Stress conditions in plates reinforced by stiffening ribs	3	523
KALMYKOVA, S. S. and KURILKO, V. I. : On the theory of electromagnetic wave diffraction in active media	4	619
KAMENOMOSTSKAYA, S. L. : Equation of the elastoplastic mode of filtration	6	1042
KHAIRULLINA, O. B. : see SIDOROV, A. F.	1	170
KHODZHAEV, K. Sh. : Integral criterion of stability for systems with quasi-cyclic coordinates and energy relations for oscillations of current-carrying conductors	1	76
KIKINA, N. G. and SANNIKOV, D. G. : On the instability of a plane tangential discontinuity	3	567
KLEIMENOV, A. F. and SHIMANOV, S. N. : Periodic solutions of systems with lag closely related to Liapunov systems	3	392
KLIATSKIN, V. I. : On the static theory of two-dimensional turbulence	5	864
KOMRAZ, L. A. : Dynamic characteristics of an electromagnetically driven trigger regulator	2	309
KOBRIN, A. I. : On the motion of a hollow body filled with viscous liquid about its center of mass in a potential body-force field	3	418
KOLESOV, Iu. S. : see BEREZHNOI, V. N.	3	565
KOMRAZ, L. A. : Dynamics of an electromagnetic trigger regulator with two pulses per period	4	722
KOSACHEVSKII, L. Ia. and STROCHKOV, I. A. : A viscoplastic boundary layer with a power-law velocity distribution along the outer boundary	5	850
KOSS, V. A. : see GRINBERG, G. A.	4	731
KOSUSHKIN, G. A. : see VOROVICH, I. I.	1	64
KOUZOV, D. P. : Diffraction of a cylindrical hydroacoustic wave at the joint of two semi-infinite plates	2	225
KOVAL'CHUK, V. E. : On the behavior of the solution of the first fundamental problem of the theory of elasticity for long rectangular plate	3	495
KOZHEVNIKOV, Iu. V. : Optimization of processes with difference arguments	6	965
KRASOVSKII, N. N. : A games problem of correction of motion	3	377
KRASOVSKII, N. N. and SUBBOTIN, A. I. : Optimal strategies in a linear differential game	4	675
KREIN, S. G. and NGO ZUI KAN : The problem of small motions of a body with a cavity partially filled with a viscous fluid	1	110
KREIN, S. G. and NGO ZUI KAN : Asymptotic method in the problem of oscillations of a strongly viscous fluid	3	442

	№	Page
KROL, V. M. and NEMCHINOV, I. V. : Self-similar motions of a radiation-heated gas behind the absorption-initiating shock wave front	1	10
KUDRIAVTSEV, B. A. and PARTON, V. Z. : Dual trigonometric series in crack and punch problems	5	819
KUNIN, I. A. : see VAISMAN, A. M.	5	765
KURILKO, V. I. : see KALMYKOVA, S. S.	4	619
KURSHIN, L. M. and PRISEKIN, V. L. : Equilibrium states of a cylindrical shell with initial deflections in compression	2	281
KURZHANSKII, A. B. and OSIPOV, Iu. S. : On control problems with restricted coordinates	4	682
KUTSER, M. E. and NIGUL, U. K. : Method of analyzing frontal discontinuities excited by a pressure wave in membranes and shells	4	593
KUZ'MIN, Iu. N. : Outer Dirichlet problem for a semi-infinite cylinder	2	268
LARINA, I. N. : Flow of a rarefied gas past a sphere	5	872
LEBEDEV, N. N. and SKAL'SKAIA, I. P. : The solution of one class of dual integral equations connected with the Mehler-Fock transform in the theory of elasticity and mathematical physics	6	1029
LUR'E, M. V. : Use of variational principle for the study of propagation of surfaces of discontinuity in a continuous medium	4	586
MALAKHOVA, O. F. : see ANDREEV, V. D.	4	727
MAMATKAZIN, D. A. : Concerning some spacecraft convergence control laws	3	557
MARKEEV, A. P. : On the stability of the triangular libration points in the circular bounded three-body problem	1	105
MARKEEV, A. P. : On the stability of a nonautonomous Hamiltonian system with two degrees of freedom	3	550
MAURIN, L. N. : Equilibrium of a liquid film on a rotating sphere	1	146
MKHITARIAN, S. M. : see ARUTIUNIAN, N. Kh.	5	791
MUSATOV, V. V. : Unsteady waves in a rotating channel of constant depth	6	1049
NAGAEV, R. F. : see BERMAN, Iu. A.	2	211
NAISHTUT, Iu. S. : On the analysis of shells with holes	4	742
NEMCHINOV, I. V. : see KROL, V. M.	1	10
NEMIROV, V. G. : On fundamental solutions on the theory of circular cylindrical shells	6	1068
NEVEL'SON, M. B. : Criterion of existence of an optimal control for a class of linear stochastic systems	3	561
NGO ZUI KAN : see KREIN, S. G.	1	110
NGO ZUI KAN : see KREIN, S. G.	3	442
NGUYEN THAN BANG : An optimal terminal control problem	2	332
NIGUL, U. K. : Comparison of results of an analysis of transient waves in shells and plates by elasticity theory and approximate theories	2	290
NIGUL, U. K. : see KUTSER, M. E.	4	593
NOVIKOV, E. A. : Relation between the Lagrangian and Eulerian descriptions of turbulence	5	862
NOVOZHILOV, V. V. : On a necessary and sufficient criterion for brittle strength	2	201
NOVOZHILOV, V. V. : On the foundations of a theory of equilibrium cracks in elastic solids	5	777

	№	Page
NULLER, B. M. : On the generalized orthogonality relation of P. A. Schiff	2	364
NUSTROV, V. S. : Periodic solutions of certain nonlinear autonomous systems	2	255
OLEINIK, O. A. : Approximate solutions and asymptotic expansions for the problem of boundary layer development during acceleration	3	428
OSIPOV, I. O. : On the two-dimensional problem of propagation of elastic waves due to a point source in an anisotropic medium	3	534
OSIPOV, Iu. S. : see KURZHANSKII, A. B.	4	682
PAL'MOV, V. A. : Propagation of random vibrations in a rod with nonlinear properties	3	543
PAL'MOV, V. A. : On a model of a medium with complex structure	4	747
PANCHEV, S. : Self-similar spectra of decaying turbulence at large Reynolds and Péclet numbers	6	1054
PARTON, V. Z. : see KUDRIAVTSEV, B. A.	5	819
PETROV, A. G. : see VOINOV, O. V.	2	352
POBEDRIA, B. E. : On the solvability of problems of the theory of elasticity of contact type	4	738
POCHTMAN, Iu. M. : see BARANENKO, V. A.	5	912
PODSTRIGACH, Ia. S. and SHEVCHUK, P. R. : Variational form of the equations of the theory of thermodiffusion processes in a deformable solid	4	753
POLIANSKII, V. A. : see GOGOSOV, V. V.	2	218
POLOVIN, R. V. : see DEMUTSKII, V. P.	6	1036
POPOV, G. Ia. : On the method of orthogonal polynomials in contact problems of the theory of elasticity	3	503
PRISEKIN, V. L. : see KURSHIN, L. M.	2	281
RAKHMATULIN, Kh. A. : Propagation of waves in multicomponent media	4	583
RAMM, A. G. : Perturbation of natural small vibration frequencies upon introduction of damping	2	315
RUBANOVSKII, V. N. and STEPANOV, S. Ia. : On the Routh theorem and the Chetaev method for constructing the Liapunov function from the integrals of the equations of motion	5	882
RUBINA, L. I. : The propagation of weak discontinuities in the system of equations of magnetogasdynamics	5	902
RUDAKOV, R. N. : see BIRIKH, R. V.	6	937
RUMIANTSEV, B. N. : Collision with an obstacle of a body containing a viscous fluid	5	876
RUMIANTSEV, V. V. : On the motion and stability of an elastic body with a cavity containing fluid	6	927
RUTKEVICH, I. M. : Some general properties of the equations of viscoelastic incompressible fluid dynamics	1	30
RUTKEVICH, I. M. : Steady flow of a viscoelastic fluid in a channel with permeable walls	3	573
RYZHOV, O. S. and TERENT'EV, E. D. : Applying the explosion analogy to the calculation of hypersonic flows	4	605
SANNIKOV, D. G. : see KIKINA, N. G.	3	567
SAPUNKOV, Ia. G. : Motion of a heat-conducting gas acted on by a heat-insulated expanding piston	1	177

	№	Page
SAPUNKOVA, O. M. : Using the hodograph method to investigate nonlinear effects in plasmas	2	342
SEKERZH-ZEN'KOVICH, Ia. I. : On composite steady gravitational waves of finite amplitude	4	628
SEMENOVA, I. P. : see GOGOSOV, V. V.	2	218
SEREBRIAKOVA, N. N. : Periodic solutions of second order dynamic systems close to piece-wise Hamiltonian systems	5	890
SHACHNEV, V. A. : see BYKOV, D. L.	2	272
SHACHNEV, V. A. : On the correctness of certain problems of the membrane theory of shells of negative curvature	4	654
SHCHENNIKOV, V. V. : A class of exact solutions of the Navier-Stokes equations for a compressible heat-conducting gas	3	570
SHEFTER, G. M. : Influence of viscosity and heat conductivity on the propagation of sound impulses in an inhomogeneous moving medium	1	163
SHELEMENT'EV, G. S. : On a certain motion correction problem	2	235
SHEVCHUK, P. R. : see PODSTRIGACH, Ia. S.	4	753
SHIFRIN, E. G. : Convexity of a shock wave in the subsonic segment in plane flow	1	158
SHIFRIN, E. G. : The shape of the detached shock wave in flow past a profile	5	867
SHIMANOV, S. N. : see KLEIMENOV, A. F.	3	392
SHINDIAPIN, G. P. : The effects of viscosity and heat conduction with weak Mach reflection	2	356
SHMULEV, I. I. : Boundary value problems for turbulence model equations	5	854
SHURSHALOV, L. V. : On the problem of an intense explosion at the boundary of a half-space containing a perfect gas	2	346
SHVARTSBLAT, D. L. : see GERSHUNI, G. Z.	3	461
SIDOROV, A. F. and KHAIRULLINA, O. B. : Three-dimensional running waves in a barotropic gas	1	170
SILKIN, V. B. : see VALISHVILI, N. V.	5	907
SIVASHINSKII, G. I. : see BARENBLATT, G. I.	5	836
SKAL'SKAIA, I. P. : see LEBEDEV, N. N.	6	1029
SKRIABIN, B. N. : Qualitative investigation of an equation of the theory of phase automatic frequency control	2	327
SLONOVSKII, N. V. : On thermoelastic stability with sliding friction	1	117
SMETANIN, B. I. : Splitting of an infinite elastic wedge	5	914
SOLIANIK, A. I. and CHERNOUS'KO, F. L. : Optimizing the tracking process under random perturbations	4	696
SOLOV'EV, A. S. : An integral equation and its application to contact problems in the theory of elasticity with friction and cohesion forces	6	1012
STEPANOV, S. Ia. : On the steady motions of a gyrostat satellite	1	121
STEPANOV, S. Ia. : On the set of steady motions of a gyrostat satellite in a central Newtonian force field and the stability of these motions	4	714
STEPANOV, S. Ia. : see RUBANOVSKII, V. N.	5	882
STEPANOV, S. Ia. : On the libration boundaries of a satellite in circular orbit under action of potential perturbing forces	6	1099
STROCHKOV, I. A. : see KOSACHEVSKII, L. Ia.	5	850

	№	Page
SUBBOTIN, A. I. : see KRASOVSKII, N. N.	4	675
SULKASHVILI, R. S. : Some steady motions of a gravitating gyrostat and spheroid and their stability	6	1083
SVEKLO, V. A. : Concentrated force in a transversally-isotropic half-space and in a composite space	3	517
TERENT'EV, E. D. : see RYZHOV, O. S.	4	605
TER-KRIKOROV, A. M. : On the asymptotic character of the motion of a conservative system acted on by an aperiodic perturbing force	4	706
TER-MKRTICH'IAN, L. N. : Homogeneous solutions of two-dimensional problems of the theory of elasticity for a rectangular region of a Cosserat medium	5	825
TIRSKII, G. A. : Calculating the effective diffusion coefficients in a laminar dissociated multicomponent boundary layer	1	184
UFLIAND, Ia. S. : see EFIMOVA, I. T.	5	920
VAISMAN, A. M. and KUNIN, I. A. : Boundary value problems in nonlocal theory of elasticity	5	765
VALEEV, K. G. and GANIEV, R. F. : A study of nonlinear systems oscillations	3	401
VALISHVILI, N. V. and SILKIN, V. B. : Forms of equilibrium of a rectangular plate in gas flow	5	907
VERETENNIKOV, V. G. : On the construction of solutions of quasilinear nonautonomous systems in resonance cases	6	1090
VLADIMIROV, F. S. : Collision of jets emerging from channels with parallel walls	1	1
VOINOV, O. V., GOLOVIN, A. M. and PETROV, A. G. : Unsteady energy transfer from a radiating sphere in a medium with molecular heat conduction	2	352
VOINOV, O. V. : On the motion of two spheres in a perfect fluid	4	638
VOROVICH, I. I. and KOSUSHKIN, G. A. : On the solvability of general problems for an elastic closed cylindrical shell in a nonlinear formulation	1	64
VOROVICH, I. I. : see BAZARENKO, N. A.	3	479
VUL'FSON, I. I. : Oscillations of systems with time-dependent parameters	2	317
ZHUKHOVITSKII, E. M. : see GERSHUNI, G. Z.	3	461
ZHUKHOVITSKII, E. M. : see GERSHUNI, G. Z.	5	830
ZHUKHOVITSKII, E. M. : see BIRIKH, R. V.	6	937
ZUBOV, L. M. : Approximate theory of buckling of thin plates of semilinear material in case of affine initial deformation	4	647