

AUTHOR INDEX TO VOL. 37

	№	Page
AFANAS'EV, E. F. and CHEREPANOV, G. P. : Some dynamic problems of the theory of elasticity	4	584
ALEKSANDROV, V. M. and CHEBAKOV, M. I. : On a method of solving dual integral equations	6	1031
ALENITSYN, A. G. : Rayleigh waves in a nonhomogeneous layer resting on a half-space	5	849
AMBARTSUMIAN, S. A., BAGDASARIAN, G. E. and BELUBEKIAN, M. V. : On the magnetoelasticity of thin shells and plates	1	102
APYKHTIN, N. G., PIONTKOVSKII, A. A. and SAFRAI, V. M. : On a Liapunov function in the problem of motion of a rigid body	2	325
ASLANIAN, A. G., KUZINA, Z. N., LIDSKII, V. B. and TULOVSKII, V. N. : Distribution of the natural frequencies of a thin elastic shell of arbitrary outline	4	571
ASTAPENKO, V. M. : Unsteady flow of incompressible fluid past a doubly periodic grid	3	468
BABENKO, K. I. and VASIL'EV, M. M. : On the asymptotic behavior of a steady flow of viscous fluid at some distance from an immersed body	4	651
BABICHEVA, L. A., BYKOVTSSEV, G. I. and VERVEIKO, N. D. : Ray method of solving dynamic problems in elastic-viscoplastic media	1	132
BAGDASARIAN, G. E. : see AMBARTSUMIAN, S. A.	1	102
BANICHUK, N. V. : On the theory approach to problems of optimization of elastic bodies	6	1042
BAUTIN, N. N. : Certain qualitative investigation methods for dynamic systems connected with field rotation	6	936
BELINSKII, B. P., KOUZOV, D. P. and CHEL'TSOVA, V. D. : On acoustic wave diffraction by plates connected at a right angle	2	273
BELUBEKIAN, M. V. : see AMBARTSUMIAN, S. A.	1	102
BERDICHEVSKII, V. L. : An energy inequality in the theory of plate bending	5	891
BERGEL'SON, V. I. and NEMCHINOV, I. V. : Plain self-similar motions of gas heated by radiation in the presence of strong re-emission	2	221
BERGMAN, R. M. : Investigation of the free vibrations of noncircular cylindrical shells	6	1068
BERMAN, V. S. and RIAZANTSEV, Iu. S. : Asymptotic analysis of stationary propagation of the front of a two-stage exothermic reaction in a gas	6	995
BOGDAT'EVA, N. N. and DIKII, L. A. : Note on the stability of three-dimensional flows of an ideal fluid	3	536
BOGOIAVLENSKII, A. A. : Generalized cyclic displacements	6	1077
BRATUS', A. S. : Approximate solution of Bellman's equation for a class of optimal terminal state control problems	3	396

	№	Page
BRUSILOVSKAIA, G. A. and ERSHOV, L. V. : On the state of stress and strain in a finite cylinder subjected to dynamic loads	4	682
BUCHIN, V. A. : Some exact solutions of a system of equations of electrohydrodynamics	1	41
BUEVICH, Iu. A. and MARKOV, V. G. : Continual mechanics of monodisperse suspensions. Integral and differential laws of conservation	5	836
BUEVICH, Iu. A. and MARKOV, V. G. : Continual mechanics of monodisperse suspensions. Rheological equations of state for suspensions of moderate concentration	6	1005
BUNIMOVICH, A. I. and DUBINSKII, A. V. : Generalized similarity laws for flows around bodies in conditions of "localizability" law	5	812
BURENIN, A. A., NGUEN KHYU TKHAN' and CHERNYSHOV, A. D. : On propagation of shock waves in an elastic medium under plane finite strain	5	854
BYKOVTSSEV, G. I. : see BABICHEVA, L. A.	1	132
CHEBAKOV, M. I. : see ALEKSANDROV, V. M.	6	1031
CHEL'TSOVA, V. D. : see BELINSKII, B. P.	2	273
CHERNIAKOV, P. S. : Classical solutions of the second boundary value problem for equations of unsteady free convection	1	174
CHERNIAKOV, Iu. A. and SHVAIKO, N. Iu. : Problem of stability of elastoplastic equilibrium of a centrally compressed rod of cruciform transverse cross section	2	354
CHERNOV, I. A. : see GOSTEV, P. M.	6	986
CHERNYSHOV, A. D. : see BURENIN, A. A.	5	854
CHESNOKOVA, R. A. : see KOROLEV, V. I.	6	956
DATSYSHIN, A. P. and SAVRUK, M. P. : A system of arbitrarily oriented cracks in elastic solids	2	306
DIUKICH, G. : On a generalized form of Lagrange equations of second kind	1	142
DUBINSKII, A. V. : see BUNIMOVICH, A. I.	5	812
DUO SAN : Equations of motion of systems with second-order nonlinear nonholonomic constraints	2	329
DUROV, V. V. : On the problem of impressing a thin rigid body into a medium with hardening	4	723
EGLIT, M. E. : see KULIKOVSKII, A. G.	5	792
FEDOSENKO, Iu. S. : Forced oscillations with a sliding regime range of a two-mass system interacting with a fixed stop	6	949
FEDUNOV, B. E. : Control synthesis in a problem with phase constraints	1	19
FIL'SHTINSKII, L. A. : On the theory of elastic nonhomogeneous media with a regular structure	2	245
FOKIN, A. G. and SHERMERGOR, T. D. : Elastic field correlation functions for the quasi-isotropic composite materials under anisotropic strain	2	319
FORMAL'SKII, A. M. : Theorem on $2n$ intervals in a time-optimal problem with magnitude- and impulse-constrained control	4	638
FUFAEV, N. A. : see KOROLEV, V. I.	6	956

	№	Page
GERSHUNI, G. Z., ZHUKHOVITSKII, E. M. and IAKIMOV, A. A. : Two kinds of instability of stationary convective motion induced by internal heat sources	3	544
GOL'DENVEIZER, A. L. : Classification of integrals of the dynamic equations of the linear two-dimensional theory of shells	4	559
GORBACHEV, L. P., NIKITIN, N. V. and POTANIN, E. P. : On external flows induced by jets in a viscous incompressible fluid	2	227
GORIACHEVA, I. G. : Contact problem of rolling of a viscoelastic cylinder on a base of the same material	5	877
GOSTEV, P. M. and CHERNOV, I. A. : Conditions for shockless state of the vortex flow in two-dimensional Laval nozzles	6	986
GRABOVSKII, V. I. : Plane electrohydrodynamic flow with reverse current	5	778
GRABOVSKII, V. I. : see VATAZHIN, A. B.	1	49
GRINBERG, G. A. and KOSS, V. A. : Addendum to the paper "On certain exact solutions of the Fourier equations for regions varying with time"	6	1088
GRUDTSYN, L. N. : On the generalization of the Bonnet theorem	6	1081
GULIAEV, M. P. : On regular precessions of a heavy gyrostat	4	704
GUSIATNIKOV, P. B. : Necessary optimality condition for the time of first absorption	2	192
HAGEDORN, P. : On equilibrium instability in holonomic mechanical systems with partial dissipation	4	606
IABKO, I. A. : Unsteady temperature field in a plane bounded within by a noncircular contour	2	361
IUDOVICH, V. I. : see USTINOV, Iu. A.	4	665
KAPRANOV, Iu. I. : The form of fresh-water lens for linear evaporation law	3	475
KARPASIUK, V. K. : Determination of the frequency of the approximate solution of Hill's equation	2	365
KATKOV, V. L. : Group classification of equations of hydrodynamics of a perfect fluid	1	66
KATS, I. Ia. and KURZHANSKII, A. B. : On the optimal observation problems	5	733
KHODZHAEV, K. Sh. : On the stability of stationary motions of systems with quasi-ignorable coordinates and of mechanical equilibrium under the action of a magnetic field	3	383
KHRANEVSKAIA, I. E. : see ROSTOVTSEV, N. A.	1	94
KIRILLOV, V. Kh. : Electric field in a MHD channel of rectangular cross section in the presence of the Hall effect	3	439
KIROV, G. Kh., PAVLOV, P. K. and RAIKOV, N. S. : On a plane elasticity theory problem with mixed boundary conditions	3	549
KISELEV, O. M. and KOTLIAR, L. M. : On the problem of flow of a heavy fluid with two free surfaces	5	804
KOLMANOVSKII, V. B. : On certain impulse observation laws	1	149
KOLMANOVSKII, V. B. : Exact formulas in the control problem of certain systems with aftereffect	2	213

	№	Page
KOPASENKO, V. V. and TUEBAEV, M. K. : Stresses in a symmetrically laminated plate weakened by a central crack	2	313
KOPASENKO, V. V. : Investigation of the algebraic system of infinite order occurring in solving the problem of a semi-strip	4	674
KORNEEV, A. I. : Use of similarity hypotheses for solving the problem of homogeneous turbulence decay	5	819
KORNEV, V. M. : Corrections to the Paper: "On the formulation of boundary conditions of the simplified equations of shells of revolution", PMM Vol. 34, №1, 1970	2	367
KOROLEV, V. I., FUFAYEV, N. A. and CHESNOKOVA, R. A. : On the correctness of the approximate investigation of synchronous machine rotor swinging	6	956
KOROLEVA, E. M. : Stability of cylindrical shells of oval cross section in the bending state of stress	5	901
KOSS, V. A. see GRINBERG, G. A.	6	1088
KOSTIUKOVSKII, Iu. M. -L. : On an idea of Chetaev	1	33
KOTLIAR, L. M. : see KISELEV, O. M.	5	804
KOUZOV, D. P. : see BELINSKII, B. P.	2	273
KRAIKO, A. N. and TILLIAEVA, N. I. : On constructing the contour of minimum wave drag in an inhomogeneous supersonic flow	3	449
KRASOVSKII, N. N. and SUBBOTIN, A. I. : Approximation in a differential game	2	185
KRIAZHIMSKII, A. V. and OSIPOV, Iu. S. : Differential - difference game of encounter with a functional target set	1	1
KRICHEVSKII, I. Ia. and ULANOV, G. M. : On a generalization of the theory of error accumulation	5	753
KRYSTEV, R. : Stability of n-th order and degree of stability	4	718
KUDRIAVTSEV, B. A. and PARTON, V. Z. : Torsion and extension of a cylinder with an external annular slit	2	297
KUDRIK, P. I. : On the membrane state of multiply-connected convex shells	6	1084
KULIEV, V. D. : Stationary motion of a crack in a strip	3	553
KULIKOVSKII, A. G. and EGLIT, M. E. : Two-dimensional problem of the motion of a snow avalanche along a slope with smoothly changing properties	5	792
KUNIN, I. A. and SOSNINA, E. G. : Stress concentration on an ellipsoidal inhomogeneity in an anisotropic elastic medium	2	287
KUNIN, I. A., MIRENKOVA, G. N. and SOSNINA, E. G. : An ellipsoidal crack and needle in an anisotropic elastic medium	3	501
KURZHANSKII, A. B. : see KATS, I. Ia.	5	733
LEBEDEV, L. P. : On the uniqueness of solution and certain approximate methods of solving linear viscoelasticity problems	3	483
LEBEDEV, L. P. : see VOROVICH, I. I.	6	1060
LITOVCHENKO, S. I. and PROKOPOV, V. K. : Generalized orthogonality relation in the problem of equilibrium of an elastic cylinder	2	267

	№	Page
LITOVCHENKO, S. I. and NULLER, B. M. : On the bending of an elastic cylinder by rigid bands	3	492
MALIAVINA, T. B. : Averaging of transport equations with respect to angles in the two-dimensional case	2	335
MALIK, D. D. and SINGH, P. : Self-similar flows behind the shock waves in a gravitational field	3	531
MARKEEV, A. P. : On the stability problem for the Lagrange solutions of the restricted three-body problem	4	713
MARKOV, V. G. : see BUEVICH, Iu. A.	5	836
MARKOV, V. G. : see BUEVICH, Iu. A.	6	1005
MELIKIAN, A. A. : On minimal observations in a game of encounter	3	407
MEL'NIKOVA, N. S. : Explosions in detonating media of variable initial density	1	159
METSAVEER, Ia. A. : Echo signal of a finite spherical pulse from an elastic cylindrical shell	2	256
MINAKOVA, N. I. : see VOROVICH, I. I.	5	886
MOROZOV, V. M., RUBANOVSKII, V. N., RUMIANTSEV, V. V. and SAMSONOV, V. A. : On the bifurcation and stability of steady-state motions of complex mechanical systems	3	371
NAGAEV, R. F. : Case of a generating family of quasi-periodic solutions in the theory of small parameter	6	941
NEMCHINOV, I. V. : see BERGEL'SON, V. I.	2	221
NGUEN KHYU TKHAN' : see BURENIN, A. A. etc.	5	854
NIGUL, U. K. : Deviation of the solution of a quasi-linear wave equation from the solution of a linear equation in the domain of continuous first derivative	3	415
NIKITIN, N. V. : see GORBACHEV, L. P.	2	227
NIKOLAEVSKII, V. N. : Asymmetric mechanics of turbulent flows. Energy and entropy	1	83
NOVICHKOV, Iu. N. : Nonlinear theory and stability of thick sandwich shells	3	509
NOVOSELOV, V. S. : On the problem of integrals of relative motion of a system of particles possessing identical mass	4	728
NULLER, B. M. : see LITOVCHENKO, S. I.	3	492
NULLER, B. M. : Compression of an elastic layer by girder plates	2	345
OSIPOV, Iu. S. : see KRIAZHIMSKII, A. V.	1	1
OZIRANER, A. S. : On asymptotic stability and instability relative to a part of variables	4	623
PACHEPSKII, Ia. A. : On the structure of shock waves in elastic-plastic media	2	282
PARTON, V. Z. : see KUDRIAVTSEV, B. A.	2	297
PETROV, A. G. : see VOINOV, V. V.	4	642
PIONTKOVSKII, A. A : see APYKHTIN, N. G.	2	325
PLEVAKO, V. P. : Equilibrium of a nonhomogeneous half-plane under the action of forces applied to the boundary	5	858

	№	Page
PONOMARENKO, Iu. B. : On stability of three-dimensional periodic motions in hydrodynamics	6	990
PONOMAREV, A. T. : see VOL'MIR, A. S.	2	231
POPOV, G. Ia. : Plane contact problem for a linearly-deformable foundation in the presence of adhesion	2	237
POPOV, G. Ia. : Axisymmetric contact problems for an elastic inhomogeneous half-space in the presence of cohesion	6	1052
POPYTALOV, S. A. : see VOL'MIR, A. S.	2	231
PORUCHIKOV, V. B. : Penetration of a cone into a compressible fluid	1	74
POTANIN, E. P. : see GORBACHEV, L. P.	2	227
PROKOPOV, V. K. : see LITOVCHENKO, S. I.	2	267
PURO, A. E. : Application of Hankel transforms to the solution of axisymmetric problems when the modulus of elasticity is a power function of depth	5	896
POZHARITSKII, G. K. : Impulse tracking of a point with bounded thrust	2	203
POZHARITSKII, G. K. : Stability of equilibria of mechanical systems including a flexible inextensible filament	4	612
RAM, R. and SHARMA, V. D. : Regular reflection of an oblique shock in a plane flow of an ideally dissociating gas in the presence of a transverse magnetic field	3	524
RIAZANTSEV, Iu. S. : see BERMAN, V. S.	6	995
ROSTOVTSEV, N. A. and KHRANEVSKAIA, I. E. : The plane problem for a nonhomogeneous elastic circular domain	1	94
ROZOVSKII, M. I. : Integro-differential equation of the dynamic contact problem of viscoelasticity	2	340
RUDAKOV, V. M. : On the optimal spacing of measurements in the method of least squares	4	629
RUMIANTSEV, B. N. : Self-similar problem of Cauchy-Poisson waves at an inclined shore	6	982
RUMIANTSEV, V. V. : On some variational principles in mechanics of continuous media	6	917
RYZHOV, O. S. and TEREENT'EV, E. D. : On the general theory of almost self-similar nonstationary flows	1	57
SAFRAI, V. M. : see APYKHTIN, N. G.	2	325
SAVRUK, M. P. : see DATSYSHIN, A. P.	2	306
SEKERZH-ZEN'KOVICH, Ia. I. : On a particular form of stabilized capillary-gravitational waves of finite amplitude at the surface fluid over an undulating bed	6	968
SHARMA, V. D. : see RAM, R.	3	524
SHARSHEKEEV, O. Sh. : see STANIUKOVICH, K. P.	4	697
SHERMAN, D. I. : A method of examining a pair of interdependent integral equations	6	1022
SHERMERGOR, T. D. : see FOKIN, A. G.	2	319
SHEVELEV, Iu. D. : see TIRSKII, G. A.	6	926

	№	Page
SHNOL', E. E. : Notes on the mathematical theory of small oscillations of an inviscid gas	3	538
SHOIKHET, B. A. : On asymptotically exact equations of thin plates of complex structure	5	867
SHVAIKO, N. Iu. : see CHERNIAKOV, Iu. A.	2	354
SINKEVICH, D. A. : Waves of ionization and recombination in a weakly ionized magnetized plasma	5	785
SKRIPNIK, V. P. : On the stability of nonlinear systems with a transformed argument	1	145
SOSNINA, E. G. : see KUNIN, I. A.	2	287
SRUBSHCHIK, L. S. : On the loss of stability of nonsymmetric strictly convex thin shallow shells	1	118
STANIUKOVICH, K. P. and SHARSHEKEEV, O. Sh. : On the problem of the relationship between the Schwarzschild and Tolman metrics	4	697
STARZHINSKII, V. M. : A practical method for computing normal forms in nonlinear oscillation problems	3	389
STRYGIN, V. V. : Application of the Bubnov-Galerkin procedure to the problem of searching for self-oscillations	6	963
SUBBOTIN, A. I. : see KRASOVSKII, N. N.	2	185
TARAPOV, I. E. : Simple waves in nonconducting magnetizable medium	5	770
TARLINSKII, S. I. : On a linear differential game of encounter	1	11
TARLINSKII, S. I. : On a sufficient encounter condition in a differential game	5	747
TEN, V. P. : Axisymmetric dynamic contact problem for a viscoelastic half-space in the presence of adhesion under the stamp	4	689
TERENT'EV, E. D. : see RYZHOV, O. S.	1	57
TER-GRIGOR'YANTS, G. K. : On the occurrence of doubly periodic convection in a horizontal layer	1	166
TIRSKII, G. A. and SHEVELEV, Iu. D. : Method of successive approximations for three-dimensional laminar boundary layer problems (locally similar self-similar case)	6	926
TSEL'MAN, F. KI. : Small oscillations of a heavy rigid body around a fixed point and certain cases of existence of "linear integrals"	3	520
TSURKOV, V. I. : On the possibility of gasdynamic effects at the critical point of the phase equilibrium	1	156
TSYPKIN, A. G. : Use of the variational equation in the study of polarizable and magnetizable continuous media	5	761
TUEBAEV, M. K. : see KOPASENKO, V. V.	2	313
ULANOV, G. M. : see KRICHEVSKII, I. Ia.	5	753
USIK, P. I. : Continual mechanochemical model of muscular tissue	3	428
USTINOV, Iu. A. and IUDOVICH, V. I. : On the completeness of a system of elementary solutions of the biharmonic equation in a semi-strip	4	665
VATAZHIN, A. B. and GRABOVSKII, V. I. : The spreading of singly ionized jets in hydrodynamic streams	1	49
VERVEIKO, N. D. : see BABICHEVA, L. A.	1	132

	№	Page
VOINOV, O. V. : see VOINOV, V. V.	4	642
VOINOV, V. V. , VOINOV, O. V. and PETROV, A. G. ; Hydrodynamic interaction between bodies in a perfect incompressible fluid and their motion in nonuniform streams	4	642
VOL'MIR, A. S., PONOMAREV, A. T. and POPYTALOV, S. A. ; The behavior of a wing panel in a stream of gas under transient conditions	2	231
VOROB'EV, N. V. : On nonlinear perturbations under resonance	1	27
VOROVICH, I. I. and MINAKOVA, N. I. : Equations of axisymmetric state of stress and strain of a nonshallow spherical shell of nonlinear elastic material under large deformations	5	886
VOROVICH, I. I. and LEBEDEV, L. P. : On the Bubnov-Galerkin method in the nonlinear theory of vibrations of viscoelastic shells	6	1060
ZVERIAEV, E. M. : Influence of the sign of shell curvature on the character of the state of stress	5	904