AUTHOR / TITLE ALPHABETICAL INDEX

Vol.49, 1985

	No.	Page
AKOPYAN R.S. and ZEL'DOVICH.: Natural convection in liquids caused by absorption of laser radiation.	4	527
AKULENKO L.D.: The approximate synthesis of perturbed non-vibrating systems with one degree of freedom.	5	561
ALEKSANDROV V.M.: see AVILKIN V.I.	6	770
ALEKSANDROV V.M. and SMETANIN B.I.: On symmetric and non-symmetric contact problems of the theory of elasticity.	1	100
ALEKSANDROV V.M. and SOBOL' B.V.: Equilibrium of a prestressed elastic body weakened by a plane elliptical crack.	2	268
ALEKSEYEVA L.A.: Stationary diffraction of waves by a circular aperture in an elastic half-plane	2	226
AMINOV A.B. and SIRAZETDINOV T.K.: Lyapunov functions for investigating the global stability of non-linear systems.	6	675
AMROMIN E.L. and BUSHKOVSKII V.A.: Unsteady cavitational flow over a disk.	6	787
ARUTYUNYAN N.KH., DROZDOV A.D. and KOLMANOVSKII V.B.: On the stability of the lining of a horizontal opening in a viscoelastic ageing medium.	3	348
AVILKIN V.I., ALEKSANDROV V.M. and KOVALENKO E.V.: On using the more-accurate equations of thin coatings in the theory of axisymmetric contact problems for composite foundations.	6	770
AZHOTKIN V.D. and BABICH V.M., Application of the method of two-scale expansions to the single-frequency problem of the theory of non-linear oscillations.	3	290
BABICH V.M.: see AZHOTKIN V.D.	3	290
BABICH S.YU. and GUZ A.N.: General spatial static contact problem for a prestressed elastic half-space.	3	337
BABKIN V.A.: Anisotropic turbulence in the flow of an incompressible fluid between parallel plane walls.	3	308
BASHKIROV A.G.: Fluctuation hydrodynamics of the Brownian motion of a particle in a fixed dispersed layer.	4	428
BELONENKO V.N. and O.YU. DINARIEV.: On certain features of the flows of viscous compressible fluids in cylindrical pipes.	1	125
BELYAEV A.YU.: Averaged description of the oscillations in a one-dimensional, randomly inhomogeneous medium.	4	537
BERDICHEVSKII V.L. and STAROSEL'SKII L.A.: Bending, extension, and torsion of naturally twisted rods.	6	746
BEZHANOV K.A. and TER-KRIKOROV A.M.: Flow of a multilayer ideal incompressible and heavy fluid past a body.	3	301
BLINOV A.P.: The problem of constructing a Lyapunov function.	5	557
BOGAN YU.A.: Certain variational problems with a small parameter in the theory of elasticity.	4	465
BOGOYAVLENSKII O.I., New integrable cases of Euler's equations.	1	1
BOIKO M.S.: Generalized dynamic problem of thermoelasticity for a half-space heated by laser radiation.	3	362
BORSHCHEVSKII M.Z. and IOSLOVICH I.V.: The problem of the optimum rapid braking of an axisymmetric solid rotating around its centre of mass.	1	24
BOYEV S.I. and SUMBATYAN M.A.: A dynamic contact problem for an elastic half-plane on the case of high frequency oscillations.	6	793
BRATUS A.S.: The sufficient conditions for an extremum in problems of optimizing the shapes of elastic plates.	4	468
BUROV A.A. and KARAPETYAN A.V.: On the non-existence of the additional integral in the problem of the motion of a heavy rigid ellipsoid along a smooth plane.	3	387
BURYSHKIN M.L. and RADIOLLO M.V.: Generalized periodic problem of elasticity theory for a cracked half-plane.	2	200
BUSHKOVSKII V.A.: see AMROMIN E.L.	6	787
BYKOVTSEV A.G.: Refraction of plane-polarized waves at the boundary of an elastic and elastoplastic half-space.	2	232
CHEREPANOV G.P.: Configurational forces in the mechanics of a solid deformable body.	4	456
CHERNYI L.T.: see VASIL'EVA N.L.	5	583

	No.	Page
CHERNYKH K.F.: see KYLATCHANOV K.M.	6	756
CHERNYSHEV G.N.: see POPOV A.L.	5	620
DENISOV G.G., KUGUSHEVA E.K. and NOVIKOV V.V.: On the problem of the stability of one-dimensional unbounded elastic systems.	4	533
DINARIEV O.YU.: see BELONENKO V.N.	1	125
DROZDOV A.D.: see ARUTYUNYAN N.KH.	3	348
ENGEL'BREKHT YU.K.: see TOBIAS T.A.	4	519
ERSHOV L.V.: see GERMANOVICH L.N.	6	763
EVTUSHENKO A.A.: see GRILITSKII D.V.	5	663
FIL'SHTINSKII L.A. and FIL'SHTINSKII M.L.: Interaction of displacement waves with curvilinear longitudinal shear cracks in a piezoelectric medium.	5	630
FIL'SHTINSKII M.L.: see FIL'SHTINSKII L.A.	5	630
FLITMAN L.M.: The boundary layer in the flow of a plastic medium near a rough surface.	4	509
FUFAEV N.A.: Theory of the motion of systems with rolling.	1	41
GALANOV B.A.: The method of boundary equations of the Hammerstein-type for contact problems of the theory of elasticity when the regions of contact are not known.	5	634
GALKIN V.S. and NOSIK V.I.: Kinetic theory and the principle of material frame-indifference in the mechanics of continuous media.	4	434
GALYBIN A.N.: Formation of cracks on compressing an unbounded brittle body with a circular opening.	6	797
GERMANOVICH L.N., ERSHOV L.V. and KILL I.D.: On thermoelastic stresses in an asymmetrically heated half-space.	6	763
GLUSHKOV E.V.: Vibration of a system of massive stamps on a linearly deformable foundation.	1	106
GOLUBINSKII A.I. and GOLUBKIN V.N., On certain conservation properties in gas dynamics.	1	85
GOLUBKIN V.N.: see GOLUBINSKII A.I.	1	85
GORDEYEV YU.N., KUDRYASHOV N.A. and MURZENKO V.V., Shock waves in an isothermal gas in the presence of reaction forces.	1	129
GRECHANNYI O.A. and TOKARCHUK V.V.: Dynamics of the space-time correlations of hydrodynamic fields in non-stationary gas flows.	4	441
GRIGORIAN S.S. and MUTALLIMOV SH.M.: The dynamics of the collision between a rigid body and a flexible string and membrane.	1	63
GRILITSKII D.V., EVTUSHENKO A.A. and SOROKATYI YU.I.: On the singularity of the stresses near the face of a thin elastic inclusion in a piecewise homogeneous plane.	5	663
GRINFEL'D M.A.: Asymptotic form of small density differences in the problem of coherent phase transformations.	4	448
GRISHIN A.V.: On the isolated character of solutions with a strong attached shock wave at the edges of a *V*-shaped wing and wedge.	2	251
GRITSENKO S.I.: Dynamic problems for a plane and cylindrical viscoelastic layer partially adherent to a stiff ring.	5	615
GUZ A.N.: see BABICH S. YU.	3	337
HATVANI L.: see TEREKI I.	6	683
ILIYEV IL.: On the conditions for the existence of the reducing Chaplygin factor.	3	295
IOSLOVICH I.V.: see BORSHCHEVSKII M.Z.	1	24
IVANOV A.P.: The equations of motion of a non-holonomic system with a non-retaining constraint.	5	552
KALENOVA V.I.:see VAVILOVA N.B.	4	422
KAMENYARZH YA.A. and MERZLYAKOV A.G.: On the theory of limit loads.	4	515
KARAPETYAN A.V.: see BUROV A.A.	3	387
KHAI M.V.: see MYKHAS'KIV V.V.	6	719

	No.	Page
KHASANOVA M.KH.: Some properties of the motion of an artificial moon satellite near the libration point.	2	247
KHOLMOGOROV D.V.: see MIKHAILOVSKII E.I.	1	116
KILL I.D.: see GERMANOVICH L.N.	6	763
KIRICHENKO V.F., KRYS'KO V.A. and SUROVA N.S.: The Bubnov-Galerkin method in the non-linear theory of hollow, flexible multilayer orthotropic shells.	4	540
KLOKOV A.S. and SAMSONOV V.A.: Stabilizability of trivial steady motions of gyroscopically coupled systems with pseudo-cyclic coordinates.	2	150
KOKUNOV V.A., KUDRYAVTSEV B.A. and SENIK N.A.: The plane problem of electroelasticity for a piezoelectric layer with a periodic system of electrodes at the surfaces.	3	374
KOLMANOVSKII V.B.: see ARUTYUNYAN N.KH.	3	348
KOLPAKOV A.G.: Determination of the average characteristics of elastic frameworks.	6	739
KOMAROVA G.L. and LEONOV G.A.: On estimating the attraction regions of the equilibrium states of dynamic systems by the direct Lyapunov method.	6	688
KOMGORTSEV V.F.: Contact between a moving stamp and an elastic half-plane when there is wear.	2	243
KONDAUROV V.I.: Relaxation-type equations for viscoelastic media with finite deformations.	5	608
KOPYLOV S.A.: see VIL'KE V.G.	1	17
KOSENKO I.I.: Non-linear analysis of the stability of the libration points of a triaxial ellipsoid.	1	10
KOVALENKO E.V.: Study of the axisymmetric contact problem of the wear of a pair consisting of an annular stamp and a rough half-space.	5	641
KOVALENKO E.V.: see AVILKIN V.I.	6	770
KOZLOV V.A., MAZ'YA V.G. and PARTON V.Z.: Asymptotic form of the stress intensity coefficients in quasistatic temperature problems for a domain with a cut.	4	482
KRAIKO A.N.: On the configuration of shock waves enclosing a local supersonic zone.	2	179
KRASOVSKII N.N.: Deterministic strategy and stochastic programs.	2	135
KRYS'KO V.A.: see KIRICHENKO V.F.	4	540
KUDRYASHOV N.A.: see GORDEYEV YU.N.	1	129
KUDRYAVTSEV B.A.: see KOKUNOV V.A.	3	374
KUDRYAVTSEV B.A. and PARTON V.Z.: Gulyaev-Bleustein waves in piezoelectric media.	5	625
KUGUSHEVA E.K.: see DENISOV G.G.	4	533
KUKSIN S.B.: Generalized solutions of the dynamic problem of perfect elastoplasticity.	4	503
KULIEV V.D.: see ZHEKOV N.D.	3	380
KULIKOVSKII A.G.: On the stability conditions for stationary states of flows in regions extended in one direction.	3	316
KULIKOVSKII A.G. and SVESHNIKOVA E.I.: A selfsimilar problem on the action of a sudden load on the boundary of an elastic half-space.	2	214
KULIKOVSKII V.A.: The Cauchy problem for a quasilinear system when there are characteristic points on the initial surface.	2	195
KUNITSYN A.L. and PEREZHOGIN A.A.: The stability of neutral systems in the case of a multiple fourth-order resonance.	1	53
KUNTASHEV P.A. and NEMIROVSKII YU.V.: The solution of a thermoelasticity problem for inhomogeneous bodies in terms of stresses by the perturbation method.	2	265
KUNTASHEV P.A. and NEMIROVSKII YU.V.: On some properties of optimal thermoelastic designs in the case of fixed stress and deformation fields.	3	367
KURYACHII A.P.: An electrohydrodynamic method of retarding the transition of a boundary layer.	1	79
KUZ'MENKO V.I.: On the unloading process for contact interaction.	3	342
KUZ'MINA L.K.: On approximate methods of analysing certain singularly-perturbed systems.	6	694
KYLATCHANOV K.M. and CHERNYKH K.F.: Soft elastic shells undergoing large deformations.	6	756
LAVROV YU.A. and LUK'YANOV V.D.: The scattering matrix in a waveguide with elastic walls.	5	670
LEONOV G.A.: One method of constructing positively invariant sets for a Lorenz system.	5	660
LEONOV G.A.: see KOMAROVA G.L.	6	688
LEVCHENKOV A.YU. and PASHKOV A.G.: A game of optimal pursuit of one non-inertial object by two inertial objects.	4	413

	No.	Page
LIKHACHEV V.N.: Profile of a cylindrical shock wave and the "peak" approximation.	2	185
LUY'YANOV V.D.: see LAVROV YU.A.	5	670
LYAPIN A.A. and SELEZNEV M.G.: A method of studying the excitation of steady harmonic oscillations in a composite wedge-like region.	5	667
MANEVICH L.I.: see VEDENOVA E.G.	2	153
MANZHIROV A.V.: On a method of solving two-dimensional integral equations of axisymmetric contact problems for bodies with complex rheology.	6	777
MARKEYEV A.P.: On the motion of a solid with an ideal non-retaining constraint.	5	545
MARKHASHOV L.M.: The Poincaré and Poincaré-Chetayev equations.	1	30
MARKOV YU.G.: see VIL'KE V.G.	1	17
MASLOV V.P. and MOSOLOV P.P.: General theory of the solutions of the equations of motion of an elastic medium of different moduli.	3	322
MAZ'YA V.G.: see KOZLOV V.A.	4	482
MELESHKO S.V.: Classification of two-dimensional isentropic gas flows of double-wave type.	3	312
MELIKYAN A.A. and SOKOLOV B.N.: The construction of universal surfaces in extremal problems of dynamics.	2	144
MERZLYAKOV A.G.: see KAMENYARZH YA.A.	4	515
METLOV V.V.: On the accretion of inhomogeneous viscoelastic bodies under finite deformation.	4	490
MIKHAILOVSKII E.I., TARASOV V.N. and KHOLMOGOROV D.V.: Post-critical behaviour of a lonitudinally compressed rod for rigid limitations on the deflection.	1	116
MIKHLIN YU.V.: The joining of local expansions in the theory of non-linear oscillations.	5	567
MOKRIK R.I. and PYR'EV YU.A.: Elastic wave propagation in two-component media.	2	239
MOKRIK R.I. and PYR'EV YU.A.: A genealized Cauchy problem for the linear differential equations of coupled physical - mechanical fields.	6	713
MOROZOV V.M.: see VAVILOVA N.B.	4	422
MOSHCHUK N.K.: Motion of a heavy rigid body on a horizontal plane with viscous friction.	1	49
MOSOLOV P.P.: see MASLOV V.P.	3	322
MOTORINA N.N.: Perturbed motion of a Kovalevskaya top.	3	389
MURZENKO V.V.: see GORDEYEV YU.N.	1	129
MUSAYEV N.D.: Two-velocity mechanics of granular porous media.	2	254
MUTALLIMOV SH.M.: see GRIGORIAN S.S.	1	63
MYKHAS'KIV V.V. and KHAI M.V.: Reduction of three-dimensional dynamical elasticity theory problems with arbitrarily located plane slits to integral equations.	6	719
NEMIROVSKII YU.V.: see KUNTASHEV P.A.	2	265
NEMIROVSKII YU.V.: see KUNTASHEV P.A.	3	367
NGUEN DONG AN.: On the study of random oscillations in non-autonomous mechanical systems using the Fokker-Planck-Kolmogorov equations.	3	392
NIKOLAEVA E.A. and PETUKHOV L.V.: The existence of an optimal solution in problems of determining the shape of an elastic line.	1	95
NIKOLAYEVSKII V.N. and RAMAZANOV T.K.: Theory of fast tectonic waves.	3	356
NOSIK V.I.: see GALKIN V.S.	4	434
NOVIKOV V.V.: see DENISOV G.G.	4	533
OREKHOV V.I.: Topological analysis of natural systems with quadratic integrals.	1	6
PAIMUSHIN V.N.: Non-linear problems of connecting composite spatial bodies and thin shells and variational methods for their solution.	2	261
PANASYUK A.I. and PANASYUK V.I.: Optimal control with a functional averaged along the trajectory.	4	404
PANASYUK V.I.: see PANASYUK A.I.	4	404
PANKRAT'EVA I.L. and POLIANSKII V.A.: Calculation of the forces acting on a poorly conducting fluid in an electric field.	5	589
PARTON V.Z.: see KUDRYAVTSEV B.A.	5	625
PARTON V.Z.: see KOZLOV V.A.	4	482
PASHKOV A.G.: see LEVCHENKO A.YU.	4	413
PEREZHOGIN A.A.: see KUNITSYN A.L.	1	53

	No.	Page
PETUKHOV L.V.: see NIKOLAEVA E.A.	1	95
PILIPCHUK V.N.: The calculation of strongly non-linear systems close to vibration impact systems.	5	572
PILIPCHUK V.N.: see VEDENOVA E.G.	2	153
PISKUNOV V.N.: The steady spectra of particles in dispersible systems with coagulation and fragmentation.	6	789
PLEVAKO V.P.: The two-dimensional inverse problem of elasticity theory for inhomogeneous media in polar coordinates.	5	595
POLINASKII V.A.: see PANKRAT'EVA I.L.	5	589
POPOV V.V.: Small vibrations of one-dimensional moving bodies.	1	57
POPOV A.L. and CHERNYSHEV G.N.: Transition surfaces for short-wave vibrations of an ellipsoidal shell in a fluid.	5	620
POSLAVSKII S.A.: A new class of exact solutions with shock waves in gas dynamics.	5	578
POTAPOV V.D.: Stability of bodies made of non-homogeneously aging anisotropic, viscoelastic material.	4	498
POVSTENKO YU.Z.: Continuous theory of dislocations and disclinations in a two-dimensional medium.	6	782
PSHENICHNYI B.N. and SHISHKINA N.B.: Sufficient conditions of finiteness of the pursuit time.	4	399
PYR'EV YU.A.: see MOKRIK R.I.	2	239
PYR'EV YU.A.: see MOKRIK R.I.	6	713
RADIOLLO M.V.: see BURYSHKIN M.L.	2	200
RAMAZANOV T.K.: see NIKOLAYEVSKII V.N.	3	356
RUBANOVSKII V.N.: On a new particular solution of the equations of motion of a heavy solid in a liquid.	2	160
RUBANOVSKII V.N.: On the stability of the vertical rotation of a solid suspended on a rod.	6	699
SAMSONOV V.A.: see KLOKOV A.S.	2	150
SEDOVA G.L.: Evolution of a weak signal in a magnetic material.	1	120
SELEZNEV M.G. and LYAPIN A.A.	5	667
SENIK N.A.: see KOKUNOV V.A.	3	374
SEREGIN G.A.: Formulations of the problems of the theory of an ideally elastic-plastic body.	5	651
SHAIKHET L.E.: On the optimal control of integral-functional equations.	6	704
SHIDLOVSKII V.P.: Couette gas flows for a configuration with side walls.	1	76
SHISHKINA N.B.: see PSHENICHNYI B.N.	4	399
SIMKINA T.YU.: see ZIL'BERGLEIT A.S.	5	647
SIMONOV I.V.: Brittle cleavage of a piecewise-homogeneous elastic medium.	2	207
SIMONOV I.V.: On the integrable case of a Riemann-Hilbert boundary value problem for two functions and the solutions of certain mixed problems for a composite elastic plane.	6	725
SIRAZETDINOV T.K.: see AMINOV A.B.	6	675
SMETANIN B.I.: On an integral equation and its application to problems of thin detached inclusions in elastic bodies.	5	602
SMETANIN B.I.: see ALEKSANDROV V.M.	1	100
SOBOL' B.V.: see ALEKSANDROV V.M.	2	268
SOKOLOV B.N.: see MELIKYAN A.A.	2	144
SOLOPENKO V.M.: Stationary model of the generalized Prandtl equations and the passage to the limit with respect to longitudinal viscosity in the Navier-Stokes equations.	2	171
SOROKATYI YU.I.: see GRILITSKII D.V.	5	663
STAROSEL'SKII L.A.: see BERDICHEVSKII V.L.	6	746
SUMBATYAN M.A.: see BOYEV S.I.	6	793
SUROVA N.S.: see KIRICHENKO V.P.	4	540
SVESHNIKOVA E.I.: see KULIKOVSKII A. G.	2	214
TARASOV V.N.: see MIKHAILOVSKII E.I.	1	116
TARAS'EV A.M.: On an irregular differential game.	4	525
TEREKI I. and HATVANI L.: Lyapnov functions of the mechanical energy type.	6	683
TRET'YAKOV P.V.: Diffraction of a single plane wave by a *V*-shaped wing.	2	190

	No.	Page
TERESHCHENKO V.YA.: On an effective algorithm for minimizing generalized Trefftz functionals of linear elasticity theory.	2	220
TER-KRIKOROV A.M.: On the theory of long waves in an inclined channel.	1	69
TER-KRIKOROV A.M.: see BEZHANOV K.A.	3	301
TIKHONOV N.A.: Optimization of the boundary regime in the problem of the transfer and absorption of material in a porous medium.	4	530
TKHAI V.N.: The stability of multidimensional Hamiltonian systems.	3	273
TOBIAS T.A. and ENGEL'BREKHT YU.K.: Inverse problems for evolution equations of the integrodifferential type.	4	519
TOKARCHUK V.V.: see GRECHANNYI O.A.	4	441
TRIGUB V.N.: The problem of breakdown of a vortex line.	2	166
VASIL'EV YU.V.: Dynamic hysteresis during the reorientation of nematic liquid crystals in pulsed fields.	2	257
VASIL'EVA N.L. and CHERNYI L.T.: The structure of electro-hydrodynamic discontinuities produced by charged grids.	5	583
VAVILOVA N.B., KALENOVA V.I. and MOROZOV V.M.: The transformation of linear non-stationary observable and controllable systems into stationary systems.	4	422
VEDENOVA E.G., MANEVICH L.I. and PILIPCHUK V.N.: Normal oscillations of a string with concentrated masses on non-linearly elastic supports.	2	153
VIGDERGAUZ S.B.: An exact estimate for the coefficient of attached masses.	1	123
VIL'KE V.G., KOPYLOV S.A. and MARKOV YU.G.: Evolution of the rotational motion of a viscoelastic sphere in a central Newtonian force field.	1	17
VOLIN YU.M.: Estimate of the stability of a dynamic system on the basis of the quasistationarity principle.	3	281
VOLKOV S.I.: Stochastic bifurcation in the theory of the flexure of spherical shells and circular membranes.	4	474
ZAKHAREVICH I.S.: On variations in the solutions of integro-differential equations of mixed problems of elasticity theory for domain variations.	6	733
ZEL'DOVICH B.YA.: see AKOPYAN R.S.	4	527
ZHEKOV N.D. and KULIEV V.D.: Singular problems of the theory of elasticity for cracks perpendicular to the boundary separating two media.	3	380
ZHUKOVITSKII D.M.: Stability of annular plates of inhomogeneously ageing viscoelastic material.	1	110
ZIL'BERGLEIT A.S., ZLATINA I.N. and SIMKINA T.YU.: High-frequency shear oscillations of a strip stamp on an elastic half-space.	5	647
ZLATINA I.N.: see ZIL'BERGLEIT A.S.	5	647
ZUBOV L.M.: Compatibility equations, stress functions, and variational principles in the theory of prestressed shells.	1	88