

AUTHOR / TITLE ALPHABETICAL INDEX

Vol.51, 1987

	No.	Page
ADIATULINA R.A. and TARAS'YEV A.M.: A differential game of unlimited duration.	4	415
AGAFONOV YU.V.: A method for the automatic extinction of directional forces by means of ball selfbalancers.	3	399
AKULENKO L.D.: Averaging in a quasilinear system with a strongly varying frequency.	2	189
AKULENKO L.D. and NESTEROV S.V.: Oscillations in a continuously stratified fluid in a moving vessel, and their control.	4	456
ALEKSANDROV V.M. and GRISHIN S.A.: State of stress and strain of a small neighbourhood of the apex of a wedge for a physical non-linearity and different boundary conditions.	4	509
ALEKSEYEVA L.A.: Stationary vibrations of an elastic half-space with a circular cylindrical cavity subjected to a periodic load.	5	656
AMINOV A.B. and SIRAZETDINOV T.K.: The method of Lyapunov functions in problems of multistability of motion.	5	553
ANDREYEV A.S.: Investigation of partial asymptotic stability and instability based on the limiting equations.	2	196
ANTIPOV YU.A., POPOV G.YA. and YATSKO S.I.: Solution of the problem of stress concentration around intersecting defects by using the Riemann problem with an infinite index.	3	357
AVDEYEV P.A.: On the stability of a stationary front of an exothermic reaction in cylindrical samples.	1	14
BABESHKO V.A. and FINKEL'SHTEIN A.B.: Harmonic oscillations of an electroelastic semi-infinite medium, caused by a periodic action in space.	5	664
BADALOV F., ESHMATOV KH. and YUSUPOV M.: On certain methods of solving systems of integrodifferential equations encountered in viscoelasticity problems.	5	683
BANICHUK N.V. and KOBELEV V.V.: On optimal plastic anisotropy.	3	381
BARKIN YU.V. and PANKRATOV A.A.: Periodic solutions of Hamiltonian systems in certain degenerate cases.	2	182
BAUTIN S.P.: Representation of the solutions of the Navier-Stokes system near the contact characteristic.	4	448
BELOKON A.V. and NASEDKIN A.V.: Waves caused by moving loads in an isotropic layer in homogeneous through the thickness.	2	237
BELOTSEKOVSKII S.M., LIFANOV I.K. and SOLDATOV M.M.: The method of discrete singularities in plane problems of the theory of elasticity with non-smooth boundaries.	2	219
BELOV S.YA.: The problem of the filling of a limited volume by a viscous heat-conducting gas.	6	805
BELOV S.YA. and VLADIMIROV V.A.: On the analogues and generalizations of Squire's theorem.	3	314
BELYAYEV S.YU.: An axisymmetric analogue of the Keldysh-Sedov problem.	1	34
BERDICHEVSKII V.L.: The problem of averaging random structures in terms of distribution functions.	6	704
BOGDANOVA E.V. and RYZHOV O.S.: Separation of a flow from the corner point of a body.	3	331
BOGOMOL'NYI V.M.: The solution of boundary value problems of the theory of shells with an unknown boundary.	1	135
BOIKO A.V. and KARPENKO L.N.: On an integral equation of the problem for an elastic strip with a slit.	6	797
BOLOTIN S.V.: Periodic solutions of systems with gyroscopic forces.	4	535
BORODACHEV A.N.: On a generalization of the Naghdi-Hsu transformation and its application to problems of elasticity theory.	4	476
BREZHNEV A.L. and CHERNOV I.A.: On transonic expansions.	4	537
BRUSIN V.A.: Control of the spectrum of multidimensional oscillatory objects.	3	401
BULATOVICH R.M.: The Hamilton-Jacobi equation in the neighbourhood of a position of equilibrium.	2	178
BUNIMOVICH A.I. and YAKUNINA G.E.: On the shape of minimum-resistance solids of revolution moving in a plastically compressible and elastic plastic media.	3	386

	No.	Page
BURDE G.I.: One selfmodelling solution of a problem on a planar laminar jet.	5	618
BURDE G.I.: Stability of the one-dimensional motions of a viscous gas with a linear dependence of the velocity on the coordinates.	6	731
BUTUZOV V.F. and URAZGIL'DINA T.A.: Asymptotic solution of a quasistatic thermoelasticity problem for a slender rod.	6	761
BYKOVTSSEV A.S. and KRAMAROVSKII D.B.: The propagation of a complex fracture area. The exact three-dimensional solution.	1	89
BYKOVTSSEV G.I. and TSVETKOV YU.D.: The two-dimensional loading problem of an elastoplastic plane weakened by a hole.	2	244
CHASHECHKIN YU.D.: see KISTOVICH A.V.	6	740
CHEBAKOV M.I.: Certain contact problems of the theory of elasticity for an annular sector and a spherical layer sector.	1	76
CHEREPANOV G.P.: see GERMANOVICH L.N.	2	256
CHERNOV I.A.: see BREZHNEV A.L.	4	537
CHERNYI L.T.: see SEDOVA G.L.	6	802
CHISTYAKOV YU.E.: The problem of the Nash equilibrium situation in a positional n-person game with a memory.	2	156
DOBROKHOTOV S.YU., ZHEVANDROV P.N. and KUZ'MINA V.M.: Non-local non-linear equations of wind waves over an uneven bottom.	5	626
DOVBYSH S.A.: Intersection of asymptotic surfaces of the perturbed Euler-Poinsot problem.	3	283
DRUYANOV B.A. and SVYATOVA E.A.: The problem of structure of a discontinuity in a strain-hardening plastic medium.	6	808
EMIKH V.N.: A hydrodynamic model of an intercepting vacuum drainage in a descending flow of ground water.	1	131
ERMOLOV A.N.: The problem of decentralized control with a discontinuous payoff function.	5	613
ESHMATOV KH.: see BADALOV F.	5	683
FILIPPOV A.V.: see SEDOVA G.L.	6	802
FINKEL'SHTEIN A.B.: see BABESHKO V.A.	5	664
FORTOV V.E.: see NI A.L.	6	758
GALKIN V.S. and NOSIK V.I.: The principle of material frame-indifference and cylindrical Couette flow of a rarified gas.	6	736
GARASHCHENKO F.G.: Study of practical stability problems by numerical methods and optimization of beam dynamics.	5	559
GERMANOVICH L.N. and CHEREPANOV G.P.: Fracture criteria for materials with defects.	2	256
GOGOSOV V.V.: On the paper by V.A. Zhelnorovich entitled "On mathematical models of magnetic fluids".	4	548
GOL'DSHTEIN R.V. and KOREL'SHTEIN L.B.: Asymptotic solution of elasticity theory problems on cracks extended along a space curve.	5	675
GORR G.V. and KONONYKHIN G.A.: On the dynamic impossibility of Grioli regular precession in the motion of a rigid body suspended by a rod.	3	289
GRECHANNYI O.A. and TOKARCHUK V.V.: Anomalous hydrodynamic fluctuations during the development of thermal convection.	3	338
GRINFEL'D M.A.: Stability of interphase boundaries in solid elastic media.	4	489
GRISHIN S.A.: see ALEKSANDROV V.M.	4	509
GUS'KOV O.B. and ZOLOTOV A.V.: Sedimentation of a suspension of spherical particles in a cylinder.	6	745
GUZ A.N. and NAZARENKO V.M.: Fracture of materials under compression along a periodic system of cracks under plane strain conditions.	2	251
IVANOV A.P.: Impacts in a system with certain unilateral couplings.	4	436

	No.	Page
KALAMKAROV A.L., KUDRYAVTSEV B.A. and PARTON V.Z.: The problem of a curved layer of composite material with wavy surfaces of periodic structure.	1	50
KALAMKAROV A.L., KUDRYAVTSEV B.A. and PARTON V.Z.: Thermoelasticity of a regularly inhomogeneous curved layer with wavy surfaces.	6	770
KALININ N.N. and NULLER B.M.: Transport equations for a fibrous consolidatable material and the near-wall layer effect.	3	407
KANAUN S.K.: Stationary waves in a homogeneous medium perturbed by an inclusion in the form of a curvilinear rod.	2	227
KAPLUNOV YU.D. and MURAVSKII G.B.: Action of a uniformly variable moving force on a Timoshenko beam on an elastic foundation. Transitions through the critical velocities.	3	370
KARAPETYAN A.V. and RUBANOVSKII V.N.: The bifurcation and stability of permanent rotations of a heavy triaxial ellipsoid on a smooth plane.	2	202
KARPENKO L.N.: see BOIKO A.V.	6	797
KATAPETYAN A.V.: On the stability of the stationary motions of systems with friction.	4	431
KHLUDNEV A.M.: On a variational inequality of a shallow shell operator with a constraint on the boundary.	2	269
KHRIPUNOV A.P.: see TARAS'YEV A.M.	2	167
KISTOVICH A.V. and CHASHECHKIN YU.D.: Free convection from a point heat source in a stratified fluid.	6	740
KLEIMENOV A.F.: Nash, Pareto, and Stackelberg solutions in non-antagonistic two-person games.	2	162
KOBELEV V.V.: see BANICHUK N.V.	3	381
KOLMANOVSKII V.B.: On the stabilization of certain non-linear systems.	3	307
KOLMANOVSKII V.B. and SHAIKHET L.E.: Estimation of the solutions of linear stochastic integral equations.	5	607
KOLPAKOV A.G.: Averaging in problems of the bending and oscillation of stressed inhomogeneous plates.	1	44
KOLYANO YU.M.: see VERBA I.I.	3	365
KONDAUROV V.I. and NIKITIN L.V.: Finite strains of viscoelastic muscle tissue.	3	346
KONONYKHIN G.A.: see GORR G.V.	3	289
KONOPEV V.A.: Equations of motion of a carrier supporting dynamically unbalanced and asymmetric flywheels in an inertial medium.	5	597
KONYAYEV YU.A. and MARTYNEENKO YU.G.: On the stability of the stationary rotations of a symmetric rigid body in an alternating magnetic field.	3	292
KOREL'SHTEIN L.B.: see GOL'DSHTEIN R.V.	5	675
KOROLEV I.A.: see VERETENNIKOV V.G.	4	442
KOSENKO I.I.: On the stability of points of libration of an inhomogeneous triaxial ellipsoid.	1	1
KOVURA A.B. and SAMARSKII V.I.: Pressure of a stamp of almost annular planform on an elastic half-space.	1	71
KOZLOV V.V.: On the existence of an integral invariant of a smooth dynamic system.	4	420
KRAIKO A.N.: Planar and axially symmetric configurations which are circumvented with the maximum critical Mach number.	6	723
KRAMAROVSKII D.B.: see BYKOVTSSEV A.S.	1	89
KRASOVSKII A.N.: Construction of mixed strategies on the basis of stochastic programs.	2	144
KREINOVICH V.YA.: see VAKULENKO A.A.	2	265
KRYLOV A.V.: A method of investigating weakly non-linear interaction between one-dimensional waves.	6	716
KUDRYAVTSEV B.A.: see KALAMKAROV A.L.	1	50
KUDRYAVTSEV B.A.: see KALAMKAROV A.L.	6	770
KULIKOVSKII A.G. and SVESHNIKOVA E.I.: On the structure of quasitransverse elastic shock waves.	6	711
KUNETS YA.I.: Axisymmetric torsion of an elastic space with a thin elastic inclusion.	4	497
KUTUSHEV A.G.: see XUONG NGOC HAI.	1	20
KUZ'MINA V.M.: see DOBROKHOTOV S.YU.	5	626

	No.	Page
LEVIN A.M.: Isolation of singularities in the solution of two-dimensional problems of the theory of elasticity in irregular multiply connected domains.	1	28
LIFANOV I.K.: see BELOTSEKOVSKII S.M.	2	219
LOKSHIN A.A.: Fronts of stationary non-linear waves in media with a memory and factorization theorems.	5	687
MAKOV U.N. and STEPANIANTS U.A.: Radiative instability of stratified shear flows in the Drazin model.	5	621
MANZHIROV A.V.: Contact problems of the interaction between viscoelastic foundations subjected to ageing and systems of stamps not applied simultaneously.	4	523
MARKEYEV A.P. and SHCHERBINA G.A.: On motions asymptotic to triangular points of libration of the restricted circular three-body problem.	3	277
MARKHASHOV L.M.: A generalization of the canonical form of Poincaré's equations.	1	120
MARKHASHOV L.M.: On a remark of Poincaré.	5	564
MARTYNIENKO YU.G.: see KONYAYEV YU.A.	3	292
MOROZOV N.F.: see MOVCHAN A.B.	1	99
MOSHCHUK N.K.: Reducing the equations of motion of certain non-holonomic Chaplygin systems to Lagrangian and Hamiltonian form.	2	172
MOSHCHUK N.K.: On the motion of Chaplygin's sledge.	4	426
MOVCHAN A.B., MOROZOV N.F. and NAZAROV S.A.: Cracks with smoothly closing edges under plane deformation.	1	99
MURAVSKII G.B.: see KAPLUNOV YU.D.	3	370
MUSAYEV N.D.: see ZYONG N.KH.	6	749
NASEDKIN A.V.: see BELOKON A.V.	2	237
NAZARENKO V.M.: see GUZ A.N.	2	251
NAZAROV S.A.: see MOVCHAN A.B.	1	99
NAZAROV S.A., TRAPEZNIKOV L.P. and SHOIKHET B.A.: On the correspondence principle in the plane creep problem of ageing homogeneous media with developing slits and cavities.	3	392
NEISHTADT A.I.: On the change in the adiabatic invariant on crossing a separatrix in systems with two degrees of freedom.	5	586
NESTEROV S.V.: see AKULENKO L.D.	4	456
NI A.L.: On the selfoscillatory modes of motion of a gas pipes.	5	634
NI A.L. and FORTOV V.E.: A divergent system of non-stationary equations of motion of viscoelastic media in Euler coordinates.	6	758
NIGMATULIN R.I.: see XUONG NGOC HAI.	1	20
NIGMATULIN R.I.: see ZYONG N.KH.	6	749
NIKITIN L.V.: see KONDAUROV V.I.	3	346
NISNEVICH E.B.: Application of structural representations to the solution of boundary-value problems of ideal plasticity.	5	667
NOSIK V.I.: see GALKIN V.S.	6	736
NOVIKOV V.V.: An anisotropically elastic sphere in free motion.	5	600
NULLER B.M.: see KALININ N.N.	3	407
OL'SHANSKII V.P.: Green's function for the bending of a plate on an elastic half-space.	5	681
OSTAPENKO V.V.: Control of the motion of a pendulum in a game-theoretic situation.	3	303
PANKRATOV A.A.: see BARKIN YU.V.	2	182
PARTON V.Z.: see KALAMKAROV A.L.	1	50
PARTON V.Z.: see KALAMKAROV A.L.	6	770
PATSKO V.S.: see ZARKH M.A.	2	150
PEKUROVSKII L.E., PORUCHIKOV V.B. and SOZONENKO YU.A.: The pressure on a sphere with a damping coating when a plane acoustic wave is incident on it.	5	651
PEL'TS S.P. and SHIKHMAN V.M.: Wave propagation in the cross-shaped connection of infinite elastic strips.	1	40
PODGAYETSKII E.M.: Vibration of an elastic rod with dry friction on its side surface.	1	137

	No.	Page
POPOV G.YA.: see ANTIPOV YU.A.	3	357
PORUCHIKOV V.B.: see PEKUROVSKII L.E.	5	651
POTETYUNKO E.N.: see VISLOUSOV P.A.	1	128
PRYAKHINA O.D.: see VOROVICH E.I.	1	82
ROGACHEVA N.N.: Influence of fluid viscosity and pressure on shell vibrations in a fluid.	4	504
RUBANOVSKII V.N.: Branching and stability of permanent rotations and relative equilibria of a body suspended from a rod.	3	297
RUBANOVSKII V.N.: see KARAPETYAN A.V.	2	202
RYBAKINA O.G.: Study of crack opening using the weighting functions method.	1	107
RYZHKOVA T.V.: On a dynamic contact problem for a single electrode.	3	410
RYZHOV O.S.: see BOGDANOVA E.V.	3	331
RYZHOV O.S. and SAVENKOV I.V.: Asymptotic theory of a wave packet in a boundary layer on a plate.	5	644
SAMARSKII V.I.: see KOVURA A.B.	1	71
SAMSONOV A.M. and SOKURINSKAYA E.V.: Solitary longitudinal waves in an inhomogeneous non-linear elastic rod.	3	376
SAVENKOV I.V.: see RYZHOV O.S.	5	644
SEDOV L.I.: On the nature of time, space and gravitation.	6	693
SEDOVA G.L., FILIPPOV A.V. and CHERNYI L.T.: Diffusion charging of particles in one-dimensional weakly ionized aerosol flows.	6	802
SEIRANYAN A.P.: Multiple eigenvalues in optimization problems.	2	272
SHACHNEV V.A.: Representations of the solutions of two-dimensional boundary value problems of coupled electroelasticity.	4	516
SHAIKHET L.E.: see KOLMANOVSKI V.B.	5	607
SHCHERBINA G.A.: see MARKEYEV A.P.	3	277
SHERMAN D.I.: On the inversion of singular integral equations to which certain particular problems of potential theory reduce.	6	793
SHIKHMAN V.M.: see PEL'TS S.P.	1	40
SHNOL E.E.: The synchronization of oscillators which interact via a medium.	1	9
SHOIKHET B.A.: see NAZAROV S.A.	3	392
SHTAIN M.SH.: Axisymmetric plastic flow of an ideally connected medium with friction.	1	112
SIMONOV I.V.: On the behaviour of solutions of dynamic problems near the edge of the contact domain of elastic bodies.	1	63
SINITSYN V.A.: The dynamics of a rigid body under impact.	1	5
SIRAZETDINOV T.K.: see AMINOV A.B.	5	553
SOKURINSKAYA E.V.: see SAMSONOV A.M.	3	376
SOLDATOV M.M.: see BELOTSEKOVSKII S.M.	2	219
SOLOV'YEV A.I.: Elastic equilibrium of circular piecewise-homogeneous media with a diametral crack.	5	670
SOZONENKO YU.A.: see PEKUROVSKII L.E.	5	651
SPEKTOR A.A.: Variational methods in three-dimensional problems of non-stationary interaction of elastic bodies with friction.	1	56
STEPANIANTS U.A.: see MAKOV U.N.	5	621
SULIKASHVILI R.S.: The effect of third- and fourth-order moments of inertia on the motion of a solid.	2	208
SULIKASHVILI R.S.: On the stability of stationary motions of bodies with spherical inertia tensor in a Newtonian force field.	5	593
SVESHNIKOVA E.I.: see KULIKOVSKII A.G.	6	711
SVYATOVA E.A.: see DRUYANOV B.A.	6	808
SYCHEV V.V.: Analytical solution of a flow problem in the neighbourhood of the boundary layer separation point on a moving surface.	3	405
SYCHEV V.V. and SYCHEV VIK V.: On turbulent boundary layer structure.	4	462
SYCHEV VIK V.: see SYCHEV V.V.	4	462
TARAS'YEV A.M.: see ADIATULINA R.A.	4	415
TARAS'TEV A.M. USHAKOV V.N. and KHRIPUNOV A.P.: On a computational algorithm for solving game control problems.	2	167

	No.	Page
TATARINOV YA.V.: Consequences of a non-integrable perturbation of the integrable constraints; model problems of low dimensionality.	5	579
TERENT'YEV E.D.: On the formation of a wave packet in a boundary layer on a flat plate.	5	640
TERESHCHENKO V.YA.: On certain formulations of the boundary-elements method.	4	479
TERESHCHENKO V.YA.: On the algorithm of the solution of the Signorini problem.	6	785
TOKARCHUK V.V.: see GRECHANNYI O.A.	3	338
TRAPEZNIKOV L.P.: see NAZAROV S.A.	3	392
TRUSKINOVSKII L.M.: Dynamics of non-equilibrium phase boundaries in a heat conducting non-linearly elastic medium.	6	777
TSVETKOV YU.D.: see BYKOV'TSEV G.I.	2	244
TSYPKIN A.G.: On complicated models of continuous media in the general theory of relativity.	6	698
TUKODOVA O.M.: see VOROVICH E.I.	1	82
UKHOBOTOV V.I.: A type of linear game with mixed constraints on the controls.	2	139
URAZGIL'DINA T.A.: see BUTUZOV V.F.	6	761
USHAKOV V.N.: see TARAS'YEV A.M.	2	167
VAKULENKO A.A. and KREINOVICH V.YA.: A geometrical model of brittle fracture under creep.	2	265
VARLAMOV V.V.: The problem of the diffraction of internal waves at the edge of a semi-infinite film.	1	124
VERBA I.I. and KOLYANO YU.M.: State of thermal stress and strain of a plate weakened by a rectangular hole.	3	365
VERETENNIKOV V.G. and KOROLEV I.A.: Investigation of the oscillations of essentially non-linear systems with internal resonance.	4	442
VIGDOROVICH I.I.: The strong injection of gas into a supersonic flow with turbulent mixing.	4	467
VISLOUSOV P.A. and POTETYUNKO E.N.: Wave suppression under the action of a viscous film on the surface of an ideal fluid.	1	128
VLADIMIROV V.A.: see BELOV S.YA.	3	314
VOROVICH E.I., PRYAKHINA O.D. and TUKODOVA O.M.: Dynamic properties of an elastic semibounded medium in the presence of two massive stamps.	1	82
VUJICIC V.A.: A consequence of the invariance of the Gauss principle.	5	573
XUONG NGOC HAI, KUTUSHEV A.G. and NIGMATULIN R.I.: On the theory of the filtration of a liquid in a porous medium under bulk heating by a high-frequency electromagnetic field.	1	20
YAKUNINA G.E.: see BUNIMOVICH A.I.	3	386
YATSKO S.I.: see ANTIPOV YU.A.	3	357
YEFREMOV O.A.: Development of the Tollmin-Schlichting wave in a boundary layer, on a plate.	3	319
YEREMEYEV V.A. and ZUBOV L.M.: Equilibrium and stability of non-linearly elastic bodies with cavities containing fluid.	3	353
YUSUPOV M.: see BADALOV F.	5	683
ZARKH M.A. and PATSKO V.S.: The second player's strategy in a linear differential game.	2	150
ZELENIN A.A. and ZUBOV L.M.: Bifurcation of solutions of statics problems of the non-linear theory of elasticity.	2	213
ZHELNOROVICH V.A.: On mathematical models of magnetic fluids.	4	539
ZHEVANDROV P.N.: see DOBROKHOTOV S.YU.	5	626
ZHUK V.E.: On forced oscillations in the boundary layer at frequencies near the upper branch of the neutral curve.	3	325
ZOLOTOV A.V.: see GUS'KOV O.B.	6	745
ZUBOV L.M.: see ZELENIN A.A.	2	213
ZUBOV L.M.: see YEREMEYEV V.A.	3	353
ZYONG N.KH., MUSAYEV N.D. and NIGMATULIN R.I.: Selfsimilar solutions of the problem of heat and mass transfer in a saturated porous medium with a volume heat source.	6	749