AUTHOR INDEX TO VOL.32

	Ν¥	Page
ABGARIAN, K. A.: Stability of motion over a finite time interval	6	999
AINOLA, L. Ia.: Variational methods for nonlinear equations of motion of		445
shells	1	145
AKULENKO, L. D.: On the oscillatory and rotational resonant motions	2	298
AKULENKO, L. D.: Steady rotational-oscillatory motions in a system		
whose unperturbed motion is stable	4	762
AKULENKO, L. D.: On the analysis of resonances in nonlinear systems	6	1124
AKULENKO, L. L.: Steady-state periodic and rotational motions in per-		
turbed, significantly nonlinear and almost conservative systems with		
one degree of freedom, in the case of an arbitrary constant deviation		
of the argument	1	114
AL'BREKHT, E. G. and SHELEMENT'EV, G.S.: Effect of a nonholonomic		
constraint on the stabilizability of a mechanical system	4	773
ALEKS ANDROV, V. M. and BELOKON', A. V. : Asymptotic solution of a		
class of integral equations encountered in the investigation of mixed		
problems of the mathematical physics for regions with cylindrical		
boundaries	3	402
ALEKS ANDROV, V. M.: Asymptotic methods in contact problems of		
elasticity theory	4	691
ALFUTOV, N. A. and BALABUKH, L. I. : Energy criterion of the stability of		
elastic bodies which does not require the determination of the initial		
stress-strain state	4	726
ARUTIUNIAN, N. Kh.: Contact problem for a half-plane with elastic		
reinforcement	4	652
BALABUKH, L. I.: see ALFUTOV, N. A.	4	726
BARMIN, A. A. and KULIKOVSKII, A. G.: Gas velocity variation in ioniz-		
ing shock waves. The problem of the conductive piston	3	506
BARMIN, A. A.: Variation of gas velocity in a normal ionizing shock		
wave and the problem of the conductive piston	5	976
BELEN'KII, I.B.: Application of the method of associated fields to spatial		
self-contained systems	1	122
BELEN'KII, I. M.: The motion of conservative systems in harmonic force		
fields	3	546
BELEN'KII, I. M.: On the final motions of conservative systems	6	1008
BELOKON', A. V. : see ALEKSANDROV, V. M.	3	402
BERGMAN, R, M, : Asymptotic analysis of some plane problems of the		
theory of elasticity with couple stresses	6	1085
BIRIKH, R. V., GERSHUNI, G. Z., ZHUKOVITSKII, E. M., and RUDAKOV, R. N.:		
Hydrodynamic and thermal instability of a steady convective flow	2	246
BOLOTIN, V. V. and MAKAROV, B. P.: Correlation theory of precritical		
deformations of thin elastic shells	3	428

	N_δ	Page
BONDARENKO, V. I. and FILIMONOV, Iu. M.: Application of linear		
programing to extremal problems of the control theory	1	138
BRATUKHIN, Iu. K. and MAURIN, L. N.: Equilibrium figures of a rotating		
liquid cylinder	4	783
BRUSHLINSKII, K. V. and MOROZOV, A. I. : On the evolutionarity of equa-		
tions of magnetohydrodynamics taking the Hall effect into account	5	979
BUEVICH, Iu, A, : On the statistical mechanics of particles suspended in a		
gas stream	1	85
BUEVICH, Iu. A.: The kinematics of viscoelastic media with finite deformations	0	0.00
BUEVICH, Iu, A.: Non-Newtonian hydromechanics of disperse systems	2 3	209 382
BUEVICH, Iu. A.: Statistical mechanics of gaseous suspensions. Dynamic	J	302
and spectral equations	5	862
BYKOVTSEV, G. I., IVLEV, D. D. and MIASNIANKIN, Iu. M.: The relations	0	002
on surfaces of stress discontinuity in three-dimensional perfectly rigid-		
plastic bodies	3	477
BYKOVTSEV, G. I., IVLEV, D. D. and MIASNIANKIN, Iu. M.: On kinematic		
relationships on slip surfaces in ideal rigid-plastic bodies	4	644
CHEPRASOV, V. P.: see PAVLOV, V. G.	3	53 2
CHEREPANOV, G. P.: On quasibrittle fracture	6	1050
CHERNOUS KO, F. L.: Some problems of optimal control with a small		
parameter	1	12
CHERNOUS'KO, F. L.: Optimum correction under active disturbances	2	196
CHERNOUS KO, F. L.: A minimax problem of one-time correction with	4	000
measurement errors CHERNYSHEV, G. N.: Representation of solutions of the green type for	4	609
equations of shells by the small parameter method	6	1100
CHUSOV, M. A.: On the derivation of Grad's hydrodynamic equations	Ü	2200
(computation of transport coefficients of an arbitrary order)	6	1153
DARKHOVSKII, B. S. : see VOLYNETS, A. Z.	6	1164
DIESPEROV, V. N. and RYZHOV, O. S.: On the three-dimensional sonic		
flow of an ideal gas past a body	2	276
DZHUSUPOV, K.: Simple wave in a conductive medium in a stationary		
gravitational field	5	982
EMETS, Iu. P.: Solution of the problem of current distribution in a magne-		
tohydrodynamic channel with permeable electrodes at tensor character	_	~
of conductivity of the flowing medium	3	355
ENTOV, V. M.: On one problem of filtration with a limit gradient allow-	3	400
ing an exact solution ENTOV, V. M. and SALGANIK, R. L.: Solution of two-dimensional problems	3	49 6
of filtration with a limiting gradient by the method of small parameter	5	872
ERMOLIN, E. V., RUBINA, L. I. and SIDOROV, A. F.: On the problem of two	•	~·•
pistons	5	967
FAM GUEN: On the equations of motion of nonholonomic mechanical		
systems in Poincaré-Chetaev variables	5	836

	N _z	Page
FEDOS 'EV, V. I.: On equilibrium modes of a rubber spherical shell under		
internal pressure	2	335
FEIGIN, M. I.: Constructing the stability domain in the parameter space		
of a dynamic system	1	107
FILIMONOV, Iu, M.: see BONDARENKO, V. I.	1	138
FOKIN, A.G. and SHERMERGOR, T.D.: Correlation functions of an elastic		
field of quasi-isotropic solid bodies	4	679
FROLOV, A.P.: On the dynamics of a gas bubble in a viscous incompres-		
sible liquid	6	1138
GALIN, L. A. and SHMATKOVA, A. A.: Motion of a rigid stamp on the		
boundary of a viscoelastic half-plane	3	446
GERSHUNI, G. Z.: see BIRIKH, R. V.	2	246
GERSHUNI, G. Z. and ZHUKHOVITSKII, E. M. : Convective instability of		
horizontal fluid layers bound by thermal interaction	3	484
GLIKMAN, L. G.: Integrating the Hamilton-Jacobi equation for a certain		
class of Hamiltonians	3	559
GOL'DENVEIZER, A. L.: Methods for justifying and refining the theory of		
shells (survey of recent results)	4	704
GOLOVIN, A. M.: see VOINOV, O. V.	5	907
GORODTSOV, V. A. and LEONOV, A. I. : On the kinematics, nonequilibrium		
thermodynamics, and rheological relationships in the nonlinear theory		
of viscoelasticity	1	62
GRUZDEV, Iu. A. and PROKOPOV, V. K.: Multi-moment theory of equilib-		
rium of thick plates	2	342
GULIAEV, Iu. P. and LENSKII, V.S.: On the unloading wave in materials	_	
with delayed yielding	6	1115
GUSEIN-ZADE, M. I.; On the derivation of a theory of bending of layered	•	****
plates	2	222
GUZ', A. N.: On the stability of three-dimensional elastic bodies	5	950
IAKIMOV, Iu, L.: Axisymmetric detached flow past a solid of revolution	J	200
with small cavitation numbers	3	511
	3	911
INDENBOM, V. L. and ORLOV, S. S.: Construction of Green's function in terms of Green's function of lower dimension	0	414
	3	414
IUDOVICH, V. I. : see UKHOVSKII, M. P.	1	52
IUDOVICH, V. I. : see OVCHINNIKOVA, S. N.	5	884
IVANOV, A. B.: Small torsional oscillations of an elastically constrained		4040
rigid circular cylinder filled with a viscous fluid	6	1042
IVLEV, D. D. : see BYKOVTSEV, G. I.	3	477
IVLEV, D. D. : see BYKOVTSEV, G. I.	4	644
KADASHEVICH, Iu. I. and NOVOZHILOV, V. V.: Influence of initial micro-		
stresses on the macroscopic strain of polycrystals	5	931
KADER, B. A.: see VOLYNETS, A. Z.	6	1164
KATKOV, V. L.: Exact solutions of certain convection problems	3	489
KAZHDAN, Ia, M.: Investigation of the free boundary neighborhood of a		
gas in motion behind a detonation wave propagating in a space with	_	_
a conical cutout	2	253

	Ν×	Page
KHARLAMOVA, E. I.: Kinematic interpretation of the motion of a body with a fixed point	2	290
KHODZHAEV, K. Sh.: Resonant and nonresonant case in the problem of excitation of mechanical oscillations	1	31
KHRAPKOV, A. A.: First fundamental problem for a piecewise-homogene-		
ous plane with a slit perpendicular to the line of separation KLEIMENOV, A. F.: Oscillations in nearly-Liapunov self-contained systems	4	666
with lag KOCHETKOV, V. M.: Fundamental solution of an unsteady transport equa-	4	589
tion in solid geometry KOMRAZ, L. A.: Bifurcations of the fixed points of a point transformation	3	394
under which a root of the characteristic polynomial passes through the	•	-00
value $\lambda = -1$ KONOSEVICH, B. I. and POZDNIAKOVICH, E. V.: Two particular solutions	3	522
of the problem of motion of a body with a fixed point	3	561
KOPASENKO, V. V. : Bending of a strip	3	456
KOPASENKO, V. V. : Contact problem of elasticity theory for a half-strip	4	739
KORIAVOV, P. P. and PAVLOVSKII, Iu. N.: Self-similar problems of mixing of a viscous fluid		636
KOROLEVA, E, M, : Stability of a cylindrical shell in the bending state of	4	
stress	4	719
KOS ACHEVSKII, L. Ia.: Magnetoacoustic waves in two-component media	4	787
KOVALEV, A. M.: Motion of a body in the case of L. N. Sretenskii KOVALEV, A. M.: The moving angular velocity hodograph in Hess' solution	3	55 1
of the problem of motion of a body with a fixed point	6	1129
KOVALEV, Iu. M.: On the stability of steady helical motions in a fluid of		
a body bounded by a multiply connected surface	2	272
KRAIKO, A. N. and OSIPOV, A. A.: On the solution of variational problems		
of supersonic flows of gas with foreign particles	4	617
KRASIL'NIKOVA, T. N.: On the computation of statistical characteristics		
of pressure pulsations on the surface of a plate beneath a turbulent		
boundary layer	1	94
KRASOVSKII, N. N. and TRET'IAKOV, V. E.: Regularizing a problem on	_	_
the encounter of motion in games theory	1	1
KRASOVSKII, N. N.: Games-theoretical encounter of motions with	2	173
bounded impulses	2	110
KRASOVSKII, N. N. and SUBBOTIN, A. I.: The problem of convergence of controlled objects	4	5 97
KRASOVSKII, N. N. : On the problem of games encounter of motions	5	826
KRASOVSKII, N. N: Regularizing the problem of games encounter of	C	005
motions	6	99 5
KULIKOVSKII, A.G.: Stability of flows of a weakly compressible fluid in	1	100
a plane pipe of large, but finite length	3	100 506
KULIKOVSKII, A. G. : see BARMIN, A. A.	ა	200
KULIKOVSKII, A.G. and REGIRER, S. A.: On stability and evolution of the electric current distribution in a medium with nonlinear conductivity	4	792

	Nã	Page	
KULIKOVSKII, A. G.: Surfaces of discontinuity separating two perfect			
media of different properties. Recombination waves in magnetohydro-			
dynamics	6	1145	
KURSHIN, L. M. and SUZDAL NITSKII, I. D.: Elasto-plastic problem for			
a sheet weakened by a doubly periodic system of circular holes	3	467	
KURZANSKII, A. B. and OSIPOV, Iu. S.: The problem of control with			
bounded phase coordinates	2	188	
KUSHUL, M. Ia.: Motion of a gyroscope with a flexible axis acted on by	_		
gravity and elastic constraints for small angles of nutation. The sta-			
bility of its vertical rotation	4	5 7 5	
LAPCHINSKII, V. G. and STANIUKOVICH, K. P.: Static formations in the	_	0.0	
general theory of relativity and planckeons	5	819	
LEBEDEV, N. N. and SKAL'SKAIA, I. P.: Expansion of an arbitrary function	J	020	
into an integral in terms of associated spherical functions	3	421	
LENSKII, V.S.: see GULIAEV, Iu.P.	6	1115	
LEONOV, A. I. : see GORODTSOV, V. A.	1	62	
LIFSHITS, Iu. B. and RYZHOV, O. S.: One-dimensional unsteady motions	_	02	
of gas displaced by a piston	6	1023	
LUR'E, A. I.: Theory of elasticity for a semilinear material	6	1068	
MAKAROV, B. P. : see BOLOTIN, V. V.	3	428	
MALKINA, O.S.: On the error in determining the stress concentration at a	Ū	120	
free hole by plane elasticity theory methods	6	1091	
MALKOV, M. S.: Asymptotic study of the two-dimensional problem of	Ů		
elastic impact of bars	3	472	
MAMATKAZIN, D. A.: Some laws of spacecraft orbit control	3	5 27	
MARKEEV, A. P.: Stability of a canonical system with two degrees of			
freedom in the presence of resonance	4	766	
MARKHASHOV, L. M.: Time-optimal pulse operation in linear systems	1	127	
MARKHASHOV, L. M. : Calculation of the invariant manifolds of the Lie			
group using its defining equations	5	846	
MAURIN, L. N. : see BRATUKHIN, Iu. K.	4	783	
MIASNIANKIN, Iu, M.: see BYKOVTSEV, G. I.	3	477	
MIASNIANKIN, Iu. M.: see BYKOVTSEV, G. I.	4	644	
MINAKOVA, N. I. : see VOROVICH, I. I.	2	327	
MIRONOV, M. V. A modification to the theory of uniform distribution and			
its application to the theory of oscillations	1	23	
MOROZOV, A. I. : see BRUSHLINSKII, K. V.	5	979	
NAGAEV, R. F.: Synchronization of finite-dimensional "force" generators	5	854	
NEMTSOV, V.B.: see VIKHRENKO, V.S.	5	9 55	
NGUEN VAN D'EP: Equations of a fluid boundary layer with couple stresses	4	777	
NIKOLAEVSKII, V. N.: On the formulation of the defining equations for a			
plane flow of a continuous medium with dry friction	5	959	
NOVOZHILOV, V. V. : see KADASHEVICH, IU. I.	5	931	
ORLOV, S. S. : see INDENBOM, V. L.	3	414	
OSIPOV, A. A.: see KRAIKO, A. N.	4	617	
OSIPOV, Iu.S.: see KURZANSKII, A.B.	2	188	

	Nº	Page
OVCHINNIKOVA, S. N. and IUDOVICH, V. I. : Analysis of secondary steady		
flow between rotating cylinders	5	884
PAN'KO, S. V.: Invariant transformation of Euler equations for plane steady		
flows of a perfect compressible fluid	3	5 03
PAVLOV, V. G. and CHEPRASOV, V. P.: Group-invariant properties of a		
nonlinear optimally controlled distributed-parameter process	3	532
PAVLOVSKII, Iu. N.: see KORIAVOV, P. P.	4	636
PERSIDSKII, S. K.: Investigation of stability of solutions of some nonlinear		
systems of differential equations	6	1141
PETROV, A. G.: see VOINOV, O. V.	5	907
POLIAKOV, N. A. and USTINOV, Iu.: Asymptotic behavior of the solution		
of the problem in the theory of elasticity for the spherical shell under		
uneven loadings	1	151
PONOMARENKO, Iu. B.: Occurrence of space-periodic motions in hydro-	1	40
dynamics PONOMARENKO, Iu. B.: Processes of formation of hexagonal convective	1	40
cells	2	234
PONOMARENKO, Iu. B.: On the stability of a plane Couette flow	4	627
PORUCHIKOV, V.B.: Solution of the problem of the diffraction of an	-1	021
acoustic wave by a cone	2	312
POZDNIAKOVICH, E. V.: see KONOSEVICH, B. I.	3	561
PROKOPOV, V. K.: see GRUZDEV, Iu. A.	2	342
PROSKURIAKOV, A. P.: The structure of the periodic solution of a quasi-		
linear self-contained system with several degrees of freedom in the		
case of differing, but partly noncommensurate frequencies	3	566
REGIRER, S. A.: see KULIKOVSKII, A. G.	4	792
REGIRER, S. A. and RUTKEVICH, I. M.: Certain singularities of the hydro-		
dynamic equations of non-Newtonian media	5	962
REISSNER, E.: On St. Venant flexure including couple stresses	5	944
ROTT, L. A.: see VIKHRENKO, V. S.	5	955
ROZENBERG, L. A.: The equations of motion of a body of variable mass in		
the general theory of relativity	3	537
RUBANOVSKII, V. N.: Stability of motion of a free solid with a cavity		
completely filled with a viscous liquid in a force field of two station-	_	2.00
ary attracting centers	2 4	282 704
RUBANOVSKII, V. N.: Some possible motions of a heavy solid in a fluid	5	794 967
RUBINA, L. I.: see ERMOLIN, E. V. RUDAKOV, R. N.: see BIRIKH, R. V.	2	246
RUKHOVETS, A. N. and UFLIAND, Ia. S.: Mixed problems on torsion of an	-	210
elastic half-space with a spherical inclusion	1	160
RUMIANTSEV, V. V.: On the stability of steadystate motions	3	517
RUTKEVICH, I. M.: see REGIRER, S. A.	5	962
RYZHOV, O.S.: see DIESPEROV, V.N.	2	276
RYZHOV, O.S.: see LIFSHITS, Iu, B.	6	1023
SALGANIK, R.L.: see ENTOV, V.M.	5	872
SEDOV, $L_{\:\raisebox{1pt}{\text{\circle*{1.5}}}}$ I. Models of continuous media with internal degrees of freedom	5	803

	N₂	Page
SEKERZH-ZEN'KOVICH, Ia. I. : On a form of steady waves of finite		
amplitude	6	1032
SHAKHOV, E. M.: On the application of the Enskog method to the Boltz-		
mann equation	6	1161
SHELEMENT'EV, G.S.: Optimal combination of control and tracking	2	180
SHELEMENT'EV, G.S.: see AL'BREKHT, E.G.	4	773
SHERMERGOR, T. D.: see FOKIN, A. G.	4	679
SHMATKOVA, A. A. : see GALIN, L. A.	3	446
SHUMILKIN, V. G.: see TOKAREV, V. V.	2	201
SHVARTSBLAT, D. D.: The spectrum of perturbations and convective insta-	_	
bility of a plane, horizontal fluid layer with permeable boundaries	2	266
SIDOROV, A.F.: Some three-dimensional gas flows adjacent to regions of	~	200
•	3	371
rest	5	
SIDOROV, A. F. : see ERMOLIN, E. V.		967
SKAL'SKAIA, I. P. : see LEBEDEV, N. N.	3	421
SKOBEEV, A. M.: On a plastic shear wave	3	514
SKRIABIN, N. N. : A dynamic system with a discontinuous characteristc	4	754
SLOBODKINA, F. A.: Optimization of one-dimensional flows, when one of	_	
the characteristic velocities passes continuously through zero	3	362
SMETANIN, B. I.: Problem of extension of an elastic space containing a		
plane annular slit	3	461
SMETANIN, B. P.: On a mixed problem of elasticity theory for a wedge	4	732
SOKOLOVA, L. E.: Asymptotic stability of the equilibria of gyroscopic		
systems with partial dissipation	2	306
SRUBSHCHIK, L.S.: On the solvability of nonlinear equations of Reissner		
for nonshallow symmetrically loaded shells of revolution	2	322
SRUBSHCHIK, L.S.: Nonstiffness of a nonshallow spherical dome	3	435
SRUBSHCHIK, L.S. and TRENOGIN, V.A.: On the buckling of flexible plates	4	747
STANESCU, K.: see VISARION, V.	6	1 059
STANIUKOVICH, K.P.: see LAPCHINSKII, V.G.	5	819
STOIANOV, N. V.: Stabilization of nonlinear control system in the critical		
case of a pair of purely imaginary roots	5	985
SUBBOTIN, A. I. : see KRASOVSKII, N. N.	4	597
SUZDAL'NITSKII, I, D.: see KURSHIN, L. M.	3	467
TOK AREV, V. V. and SHU MILKIN, V. G.: On the analysis of the efficiency		
of a mass servicing system	2	201
TRENOGIN, V. A.: see SRUBSHCHIK, L. S.	4	747
TRET'IAKOV, V. E.: see KRASOVSKII, N. N.	1	1
TSODOKOVA, N.S.: Stability of steady helical motions of a rigid body in		
a fluid	6	1118
UFLIAND, Ia.S.: see RUKHOVETS, A.N.	1	160
UKHOVSKII, M. P. and IUDOVICH, V. I. : Axially symmetric flows of ideal		
and viscous fluids filling the whole space	1	52
USTINOV, Iu.: see POLIAKOV, N. A.	1	151
VALISHVILI, N. V.: An algorithm of the solution of nonlinear boundary		
value problems	6	1107

	Nº	Page
VALOV, G, M.: Infinite elastic layer and half-space under the action of a		
ring-shaped die	5	917
VATAZHIN, A.B.: Braking of conductive clusters moving in channels in a		
nonuniform magnetic field	5	895
VERETENNIKOV, V. G.: On the stability of almost-periodic motions	1	103
VERVEIKO, N. D.: On the spherical shock wave in a visco-elasto-plastic		
half-space	2	317
VIKHRENKO, V.S., NEMTSOV, V.B. and ROTT, L.A.: Statistical determi-		
nation of the tensor of viscosity coefficients	5	95 5
VIS ARION, V. and STANESCU, K.: Analysis of non-thin shells	6	1059
VOINOV, O. V., GOLOVIN, A. M. and PETROV, A. G.: Energy transfer from		
a radiating sphere into a medium with molecular heat conduction	5	907
VOLYNETS, A. Z., DARKHOVSKII, B. S. and KADER, B. A.: Application of		
the least squares method to a model which is nonlinear with respect to		
the parameters	6	1164
VOROVICH, I. I. and MINAKOVA, N. I. : Stability of a nonshallow spherical		
dome	2	327
ZAK, M. A.: On some dynamic phenomena in flexible fibers	1	167
ZAK, M. A.: On the loss of stability of the shape of an ideally flexible		
string	6	1110
ZHUKOVITSKII, E. M. ; see BIRIKH, R. V.	2	246
ZHUKOVITSKII, E, M.: see GERSHUNI, G, Z.	3	484