CONTENTS OF NEXT ISSUE

PMM Vol. 32, No. 3, 1968

1 Iu.P. Emets: Solution of the problem of current distribution in a magneto-hydrodynamic channel with perforated electrodes for the case of tensorial character of conductivity of the moving medium

2 F.A. Slobodkina: Optimization of one-dimensional flows with continuous passage through zero of one of the characteristic velocities

3 A.F. Sidorov: On some threedimensional gas flows adjoining a region of rest

4 Iu.A. Buevich: Non-Newtonian hydromechanics of dispersive systems

5 V.M. Kochetkov: Fundamental solution of the nonstationary equation of transfer in three-dimensional geometry

6 V.M. Aleksandrov and A.V. Belokon': Asymptotic solution of a class of integral equations, encountered in studying mixed problems of mathematical physics for regions with cylindrical boundaries

7 V. L. Indenbom and S.S. Orlov: Construction of a Green's function by using Green's function of smaller dimension

8 N.N. Lebedev and I.P. Skal'skaia: On the expansion of an arbitrary function into an integral over associated spherical functions

9 V.V. Bolotin and B.P. Makarov: Correlational theory of precritical deformations of thin elastic shells

10 L.S. Srubshchik: The flexibility of a non-shallow spherical dome

11 L.A. Galin and A.A. Shmatkova: On the motion of a rigid die along the boundary of a visco-elastic half-space

12 V.V. Kopasenko: Bending of a strip

13 B.I. Smetanin: The problem of the extension of an elastic space, containing a plane annular slit

14 L.M. Kurshin and I.D. Suzdal'nitskii: Elasto-plastic problem of a plane, weakened by a doubly periodic system of circular holes

15 M.A. Malkov: The asymptotic behavior of the two-dimensional problem of elastic impact of bars

16 G.I. Bykovtsev, D.A. Ivlev and Iu. M. Miasniankin: On the relations on the surface of stress discontinuities in three-dimensional ideal rigid-plastic bodies

17 G.Z. Gershuni and E.M. Zhukovitskii: On convective instability of horizontal layers of a fluid, related by thermal interaction

18 V.L. Katkov: Exact solutions of some convection problems

19 V.M. Entov: On a filtration problem with limiting gradient admitting an exact solution

20 S. V. Pan'ko: On invariant transformation of Euler equations for plane steady flows of an ideal compressible fluid

21 A.A. Barmin and A.G. Kulikovskii: Change of velocity of a gas in ionized shock waves. The problem of the conducting piston

22 Iu. L. Iakimov: On axially-symmetric detached flow past a body of revolution for small cavitation numbers

23 A.M. Skobeev: On plastic shear waves

24 V.V. Rumiantsev: On the stability of stationary motions

25 L.A. Komraz: On bifurcations of fixed points of a point transformation for which the root of the characteristic polynomial passes through the value $\lambda = -1$

26 D.A. Mamatkazin: On some laws of orbital control of a cosmic flight vehicle

27 V.G. Pavlov and V.P. Cheprasov: Group-invariant properties of a nonlinear optimally controlled process with distributed parameters

28 L.A. Rozenberg: Equations of motion of a body with variable mass in the general theory of relativity

29 I.M. Belen'kii: On the motion of conservative systems in harmonic force fields

30 A.M. Kovalev: On the motion of a body in the case of L.N. Sretenskii

31 L.G. Glikman: Integration of the Hamilton-Jacobi equation for a class of Hamilton functions

32 B.I. Konosevich and E.V. Pozdniakovich: Two particular solutions of the problem of the motion of a body with a fixed point

33 A.P. Proskuriakov: Structure of periodic solutions of a quasi-linear autonomous system with several degrees of freedom in the case of different, but partially non-commensurate frequencies