

CONTENTS

<i>Grigorenko Ya. M., Grigorenko A. Ya., Zakhariichenko L. I.</i> Solution of problems and investigation of stress state of noncircular cylindrical variable thickness shells on spline-approximation base.....	7
<i>Grinchenko V. T., Gorodetska N. S.</i> Method of superposition as applied to boundary-value problems in non-regular waveguids.....	20
<i>Ulitko A. F., Morgunov M. A.</i> Investigation of contact stresses in thin elastic strip under bending	31
<i>Ambartsumian S. A., Belubekyan M. V.</i> On geometrically non-linear problems of transversally isotropic plates under tangential forces	38
<i>Meleshko V. V., van Heijst G. J. F.</i> Mixing of viscous fluid in rectangular cavity	43
<i>Nemirovsky Yu. V., Yankovsky A. P.</i> Dynamic visco-plastic bending of reinforced cores with variable cross-section	53
<i>Zolochovsky A. A., Rvachev V. L., Sklepus S. N.</i> Creep of non-canonical form plates from materials with non-symmetric properties.....	67
<i>Burak Ya. Yo., Hachkevych O. R., Musiy R. S.</i> Thermoelasticity of non-ferromagnetic electroconducting solids under influence of pulse electromagnetic fields	75
<i>Karnaikhov V. G., Kozlov V. I., Sichko V. M.</i> Monoharmonic approximation in problems of nonlinear vibrations and dissipative heating of inelastic bodies.....	85
<i>Chekurin V. F.</i> Model of interpenetrating continua and thermodynamics of deformation of semiconductors	104
<i>Komarov A. V., Loboda V. V.</i> On moving impermeable interface crack with constant subsonic velocity in piezoelectric bimaterial.....	116
<i>Hrylits'kyj D. V., Sulym G. T., Bilan B. S.</i> Static thermoelastic equilibrium of two-layer m -gon pipe at compression and contact heating.....	131
<i>Bogdanov V. L.</i> On investigation of axially symmetric problems of linearized fracture mechanics for a solid containing two parallel cracks	146
<i>Kushnir R. M., Nykolyshyn M. M., Rostun M. Yo.</i> Elastico-plastic spherical shell with a system of arbitrarily located cracks	155
<i>Martynyak R. M., Slobodyan B. S.</i> Interaction of two bodies in case of capillaries in intercontact gap	164
<i>Filshinskii L. A., Kobzar' V. N.</i> Plane problem of coupled thermoelasticity for plates with holes	174
<i>Kubik J., Perkowski Z.</i> Reciprocity theorem for mechanical problem in brittle damaged body with thermal distortion	182
<i>Shvajko M. Yu., Filkevich M. M.</i> Analytical and experimental study of deformation of steel-45 under complex loading	188
<i>Piddubniak O. P., Piddubniak N. G.</i> Analysis of strain-stress state of circular cylinder rotating in acoustic medium with non-constant angular velocity.....	198
<i>Sushch V. N.</i> Discrete models of operators generated by the Yang – Mills equations on 4-dimensional torus	208

NEW ITEMS AND INFORMATION

<i>To the 75-th birth anniversary of corresponding member Ya. Yo. Burak.....</i>	217
--	-----