



ANNOUNCEMENT TO AUTHORS AND READERS OF THE *JOURNAL OF APPLIED MATHEMATICS AND MECHANICS*

Elsevier Science Ltd., publishers of the English translation of the journal *Prikladnaya Matematika i Mekhanika*, annually award a prize of \$1000 for the best paper published in the journal.

On April 7, 1999 the Editorial Board decided to award this prize to the authors of the following papers published in 1998.

1. L. D. AKULENKO and A. M. SHMATKOV (Moscow): Synthesis of a control in the problem of the time-optimal transfer of a point mass to a specified position with zero velocity. Vol. 62, No. 1, pp. 129–138 (English translation pp. 123–131). \$250.

2. S. A. NAZAROV (St Petersburg): The interface crack in anisotropic bodies. Stress singularities and invariant integrals. Vol. 62, No. 3, pp. 498–502 (English translation pp. 453–464). \$250.

3. V. V. PUKHNACHEV (Novosibirsk): The quasistationary approximation in the problem of the motion of an isolated volume of a viscous incompressible capillary liquid. Vol. 62, No. 6, pp. 1002–1013 (English translation pp. 927–937). \$250.

4. V. I. YUDOVICH (Rostov-on-Don): Cycle-creating bifurcation from a family of equilibria of a dynamical system and its delay. Vol. 62, No. 1, pp. 22–34 (English translation pp. 19–29). \$250.

The Editorial Board also decided to award prizes to the authors of the following papers published in 1998.

1. I. I. ARGATOV (St Petersburg): Integral characteristics of rigid inclusions and cavities in the two-dimensional theory of elasticity. Vol. 62, No. 2, pp. 283–289 (English translation pp. 263–268).

2. I. F. BORETSKII and O. R. KAYUMOV (Omsk Region): Globally controllable systems of rigid bodies. Vol. 62, No. 3, pp. 405–412 (English translation pp. 371–377).

3. Ye. V. GLUSHKOV and Ye. V. KIRILLOVA (Rostov-on-Don): A dynamic mixed problem for a packet of elastic layers. Vol. 62, No. 3, pp. 455–461 (English translation pp. 419–425).

Ye. V. GLUSHKOV and N. V. GLUSHKOVA (Rostov-on-Don): Resonant frequencies of the scattering of elastic waves by three-dimensional cracks. Vol. 62, No. 5, pp. 866–870 (English translation pp. 803–806).

4. A. P. MARKEYEV (Moscow): The critical case of a pair of zero roots in a two-degree-of-freedom Hamiltonian system. Vol. 62, No. 3, pp. 372–382 (English translation pp. 341–349).

5. V. N. TKHAI (Moscow): Continuation of periodic motions of a reversible system in non-structurally stable cases. Application to the *N*-planet problem. Vol. 62, No. 1, pp. 56–72 (English translation pp. 51–65).

The Lyapunov–Poincaré method in the theory of periodic motions. Vol. 62, No. 3, pp. 355–371 (English translation pp. 325–339).