

## APPLIED MATHEMATICS AND MECHANICS

The *Journal of Applied Mathematics and Mechanics* is translated cover to cover (Russian original copyright: Nauka, 90 Profsoyuznaya ul., Moscow 117864) and has been published by Pergamon since 1958.

*Translation Editors:*

R. C. GLASS, City University, London, UK

*Panel of Translators:*

S. CURTIS, R. C. GLASS, P. SHELNITZ, E. L. SHORT

---

### ПРИКЛАДНАЯ МАТЕМАТИКА И МЕХАНИКА

Russian Academy of Sciences

*Editorial Board*

F. L. CHERNOUS'KO (Editor-in-Chief)

Yu. P. GUPALO (Deputy Editor)

G. G. CHERNYI  
I. G. GORYACHEVA  
S. S. GRIGORYAN  
A. V. KARAPETYAN  
V. I. KONDAUROV  
V. V. KOZLOV  
N. N. KRASOVSKII

A. G. KULIKOVSKII  
N. F. MOROZOV  
Yu. S. OSIPOV  
L. V. OVSYANNIKOV  
G. A. TIRSKII  
V. F. ZHURAVLEV

*Editorial Advisory Board*

L. D. AKULENKO  
V. M. ALEKSANDROV  
S. A. AMBARTSUMYAN  
I. I. BLEKHMAN  
N. N. BOLOTNIK  
R. V. GOL'DSHTEIN  
A. P. IVANOV  
D. D. IVLEV  
V. N. KOSHLIYAKOV  
A. N. KRAIKO

A.S. KRAVCHUK  
A. P. MARKEYEV  
A. A. MELIKYAN  
B. E. POBEDRYA  
G. Ya. POPOV  
V. V. PUKHNACHEV  
N. N. ROGACHEVA  
S. Ya. STEPANOV  
V. V. SYCHEV  
V. N. TKHAI

---

**Publishing Offices:** Elsevier Ltd, The Boulevard, Langford Lane, Kidlington, Oxford OX5 1GB, UK. Tel. (01865) 843000. Fax. (01865) 843010.

**Advertising Information.** Advertising orders and enquiries can be sent to: James Kenney, Elsevier Ltd., 32 Jamestown Road, London NW1 7BY, UK; phone: (+44) 207 424 4216; fax: (+44) 1865 853 136; e-mail: j.kenney@elsevier.com. Customers in the US and Canada can also contact: Mr Tino DeCarlo, Advertising Department, Elsevier Inc., 360 Park Avenue South, New York, NY 10010-1710, USA; phone: (+1) (212) 633 3815; fax: (+1) (212) 633 3820; e-mail: t.decarlo@elsevier.com.

**Publication information:** *Journal of Applied Mathematics and Mechanics* (ISSN 0021-8928). For 2008, volume 72 (6 issues) is scheduled for publication. Subscription prices are available upon request from the Publisher or from the Regional Sales Office nearest you or from this journal's website (<http://www.elsevier.com/locate/jappmathmech>). Further information is available on this journal and other Elsevier products through Elsevier's website: (<http://www.elsevier.com>). Subscriptions are accepted on a prepaid basis only and are entered on a calendar year basis. Issues are sent by standard mail (surface within Europe, air delivery outside Europe). Priority rates are available upon request. Claims for missing issues should be made within six months of the date of dispatch.

**Orders, claims, and product enquiries:** please contact the Regional Sales Office nearest you:

**St. Louis:** Elsevier, Customer Service Department, 11830 Westline Industrial Drive, St. Louis, MO 63146, USA; phone: (877) 8397126 [toll free within the USA]; (+1) (314) 4537076 [outside the USA]; fax: (+1) (314) 5235153; e-mail: JournalCustomerService-usa@elsevier.com

**Amsterdam:** Elsevier, Customer Service Department, PO Box 211, 1000 AE Amsterdam, The Netherlands; phone: (+31) (20) 4853757; fax: (+31) (20) 4853432; e-mail: JournalsCustomerServiceEMEA@elsevier.com

**Tokyo:** Elsevier, Customer Service Department, 4F Higashi-Azabu, 1-Chome Bldg, 1-9-15 Higashi Azabu, Minato-ku, Tokyo 106-0044, Japan; phone: (+81) (3) 5561 5037; fax: (+81) (3) 5561 5047; e-mail: JournalsCustomerServiceJapan@elsevier.com

**Singapore:** Elsevier, Customer Service Department, 3 Killiney Road, #08-01 Winsland House I, Singapore 239519; phone (+65) 63490222; fax: (+65) 67331510; e-mail: JournalsCustomerServiceAPAC@elsevier.com