

# PRIKLADNAIA MATEMATIKA I MEKHANIKA

*Editor*

L. A. GALIN

*Editorial Board*

A. A. IL'USHIN  
M. V. KELDYSH  
P. IA. KOCHINA  
A. I. LUR'E  
N. I. MUSKHELISHVILI

IU. N. RABOTNOV  
V. V. RUMIANTSEV  
L. I. SEDOV  
V. V. STRUMINSKII  
G. G. CHERNYI

*Participating in Editing are*

N. A. ALUMIAE  
N. KH. ARUTIUNIAN  
G. I. BARENBLATT  
N. N. BAUTIN  
V. V. BOLOTIN  
I. N. VEKUA  
I. I. VOROVICH  
A. L. GOL'DENVEIZER  
G. IU. DZHANELIDZE  
A. A. DORODNITSYN  
N. P. ERUGIN  
N. V. ZVOLINSKII  
A. IU. ISHLINSKII  
G. V. KAMENKOV

L. M. KACHANOV  
I. A. KIBEL'  
N. N. KRASOVSKII  
P. P. KUFAREV  
M. A. LAVRENT'EV  
S. G. LEKHNITSKII  
L. G. LOITSIANSKII  
M. D. MILLIONSHCHIKOV  
S. G. MIKHLIN  
N. N. MOISEEV  
KH. M. MUSHTARI  
V. V. NOVOZHILOV  
D. E. OKHOTSIMSKII  
D. IU. PANOV  
K. P. PERSIDSKII

G. I. PETROV  
A. P. PROSKURIAKOV  
I. M. RABINOVICH  
KH. A. RAKHMATULIN  
M. G. SLOBODIANSKII  
V. V. SOKOLOVSKII  
L. N. SRETENSKII  
N. A. TALITSKIKH  
S. V. FAL'KOVICH  
V. I. FEODOS'EV  
S. A. KHRISTIANOVICH  
G. S. SHAPIRO  
D. I. SHERMAN  
I. IA. SHTAERMAN

---

*Pergamon Press are also the publishers of the following journals:*

JOURNAL OF NUCLEAR ENERGY (including \*THE SOVIET  
JOURNAL OF ATOMIC ENERGY). PARTS A AND B:  
REACTOR SCIENCE AND TECHNOLOGY, PART C: PLASMA  
PHYSICS — ACCELERATORS — THERMONUCLEAR RESEARCH  
ACTA METALLURGICA  
ANNALS OF THE INTERNATIONAL GEOPHYSICAL YEAR  
ANNALS OF OCCUPATIONAL HYGIENE  
\* APPLIED MATHEMATICS AND MECHANICS  
ARCHIVES OF ORAL BIOLOGY  
A.S.L.E. TRANSACTIONS  
BIOCHEMICAL PHARMACOLOGY  
\* BIOPHYSICS  
CHEMICAL ENGINEERING SCIENCE  
COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY  
DEEP SEA RESEARCH  
\* ELECTRIC TECHNOLOGY, U.S.S.R.  
(*Elektrichestvo*)  
ELECTROCHIMICA ACTA  
GEOCHIMICA ET COSMOCHIMICA ACTA  
HUMAN FACTORS  
INTERNATIONAL ABSTRACTS OF BIOLOGICAL SCIENCES  
INTERNATIONAL JOURNAL OF AIR POLLUTION  
INTERNATIONAL JOURNAL OF APPLIED RADIATION AND  
ISOTOPES  
JOURNAL OF ATMOSPHERIC AND TERRESTRIAL PHYSICS  
JOURNAL OF INORGANIC AND NUCLEAR CHEMISTRY  
JOURNAL OF INSECT PHYSIOLOGY  
JOURNAL OF THE MECHANICAL SCIENCES

JOURNAL OF THE MECHANICS AND PHYSICS OF SOLIDS  
\* JOURNAL OF MICROBIOLOGY, EPIDEMIOLOGY AND  
IMMUNOBIOLOGY  
\* THE ABSTRACTS JOURNAL OF METALLURGY. PART A:  
SCIENCE OF METALS. PART B: TECHNOLOGY OF  
METALS  
JOURNAL OF NEUROCHEMISTRY  
JOURNAL OF PSYCHOSOMATIC RESEARCH  
OPERATIONAL RESEARCH QUARTERLY  
\* PAVLOV JOURNAL OF HIGHER NERVOUS ACTIVITY  
THE PHYSICS AND CHEMISTRY OF SOLIDS  
\* PHYSICS OF METALS AND METALLOGRAPHY  
PLANETARY AND SPACE SCIENCE  
\* PROBLEMS OF HEMATOLOGY AND BLOOD TRANSFUSION  
\* PROBLEMS OF ONCOLOGY  
\* PROBLEMS OF VIROLOGY  
\* RADIO ENGINEERING (*Radiotekhnika*)  
\* RADIO ENGINEERING AND ELECTRONICS  
(*Radiotekhnika i Elektronika*)  
RHEOLOGY ABSTRACTS  
\* SECHENOV PHYSIOLOGICAL JOURNAL OF THE U.S.S.R.  
SEMICONDUCTOR TECHNOLOGY  
SOLID-STATE ELECTRONICS  
SPECTROCHIMICA ACTA  
TETRAHEDRON (*The International Journal of Organic  
Chemistry*)  
TETRAHEDRON LETTERS  
TALANTA  
\* TELECOMMUNICATIONS (*Electrosviaz*)  
VACUUM

\* Translation of Russian journals published on behalf of the Pergamon Institute