Announcing the publication

of a new Series

LECTURES IN
APPLIED
MATHEMATICS

These lectures were given at the Summer Seminar held at the University of Colorado, Boulder, Colorado, July 24-August 19, 1960.

Volume

1. Lectures in Statistical mechanics, by G. Uhlenbeck and G. W. Ford, 1962.

2. Mathematical problems of fundamental relativistic physics, by I. E. Segal, 1962.

3. Perturbation of spectra in Hilbert space, by K. O. Friedrichs.

4. Quantum mechanics, by V. Bargmann.

25% discount to members

Orders for single copies and standing orders for this series should be sent to the

AMERICAN
MATHEMATICAL
SOCIETY

190 Hope Street, Providence 6, Rhode Island

Announcing the publication of a new Series

TRANSLATIONS OF
MATHEMATICAL MONOGRAPHS

Volume I.   Part 1
A general view of mathematics   —by A. D. Aleksandrov
Analysis   —by M. A. Lavrent'ev and S. M. Nikol'skii

Volume I.   Part 2
Analytic geometry   —by B. N. Delone
Algebra (theory of the algebraic equation)   —by B. N. Delone
Ordinary differential equations   —by I. G. Petrovskii

Volume I.   Part 3
Partial differential equations   —by S. L. Sobolev and O. A. Ladyženskaja
Curves and surfaces   —by A. D. Aleksandrov
Calculus of variations   —by V. I. Krylov
Functions of a complex variable   —by M. V. Keldys

Volume I.   Part 4
Prime numbers   —by K. K. Mardžanišvili and A. G. Postnikov
Theory of probability   —by A. N. Kolmogorov
Approximation of functions   —by S. M. Nikol'skii
Approximation methods and numerical tech-   —by V. I. Krylov
    niques
Electronic digital computers   —by S. A. Lebedev and L. V. Kantorovič

Volume I.   Part 5
Theory of functions of a real variable   —by S. B. Steckin
Linear algebra   —by D. K. Faddeev
Abstract spaces   —by A. D. Aleksandrov

Volume I.   Part 6
Topology   —by P. S. Aleksandrov
Functional analysis   —by I. M. Gel'fand
Groups and other algebraic systems   —by A. I. Mal'cev

Volume II.
Some questions in the theory of moments   —by N. I. Ahiezer and M. G. Krein

IN PREPARATION
The theory of irrationalities of the third de-   —by B. N. Delone and D. K. Faddeev
    gree
Applications of functional analysis in mathe-   —by S. L. Sobolev
    matical physics
Nilpotent linear groups   —by D. Suprunenko

25% discount to members
Orders for single copies and standing orders
for this series should be sent to the

AMERICAN MATHEMATICAL SOCIETY
190 HOPE STREET, PROVIDENCE 6, RHODE ISLAND

CLASSIFICATION OF REVIEWS

A. Arithmetical Tables, Mathematical Constants

B. Powers

C. Logarithms

D. Circular Functions

E. Hyperbolic and Exponential Functions

F. Theory of Numbers

G. Higher Algebra

H. Numerical Solution of Equations

I. Finite Differences, Interpolation

J. Summation of Series

K. Statistics

L. Higher Mathematical Functions

M. Integrals

N. Interest and Investment

O. Actuarial Science

P. Engineering

Q. Astronomy

R. Geodesy

S. Physics, Geophysics, Crystallography

T. Chemistry

U. Navigation

V. Aerodynamics, Hydrodynamics, Ballistics

W. Economics and Social Sciences

X. Numerical Analysis and Applied Mathematics

Z. Calculating Machines and Mechanical Computation

Mathematics of Computation

TABLE OF CONTENTS

OCTOBER 1962