

# TÔHOKU MATHEMATICAL JOURNAL

## 東北數學雜誌

THE SCIENCE REPORTS OF THE TÔHOKU  
UNIVERSITY, SIXTH SERIES

(FOUNDED BY T. HAYASHI)

---

EDITED BY

TAKESHI KOTAKE

TADASHI KURODA

TADAO ODA

TAMOTSU TSUCHIKURA

TARO YOSHIZAWA

WITH THE CO-OPERATION OF THE

MATHEMATICAL INSTITUTE OF TÔHOKU UNIVERSITY

SECOND SERIES VOL. 31, NO. 3

September 1979

---

© THE TÔHOKU UNIVERSITY  
SENDAI, 980 JAPAN

## TÔHOKU MATHEMATICAL JOURNAL

This periodical is published quarterly by Mathematical Institute of Tôhoku University. One volume usually consists of four issues.

### Editorial correspondence

Articles on pure and applied mathematics in English, French or German and editorial correspondence should be addressed to the Editor, the Tôhoku Mathematical Journal, Mathematical Institute, Tôhoku University, Sendai, 980 Japan.

### Preparation of manuscripts

Manuscripts submitted for publication should be typewritten (double spacing) with generous margins. Carbon copy, thin paper, and typing with cramped formulas are not acceptable. Figures and diagrams must be drawn in proper size in Indian ink or *Sumi* on separate sheets of paper. Footnotes should be reduced to a minimum. References should be precise, unambiguous and intelligible. Author's department, university and its location should be written at the end of the manuscript.

### Proofs

Authors ordinarily receive only galley proofs. Stylistic changes in proofs must be avoided as possible. Authors will be charged for excessive corrections.

### Reprints

Each author receives 100 reprints gratis, postage prepaid. Joint authors receive 100 altogether. Additional reprints may be purchased if desired.

### Library exchanges

Library exchanges should be sent to the Librarian, the Tôhoku Mathematical Journal, Mathematical Institute, Tôhoku University, Sendai, 980 Japan.

### Copyrights

All rights reserved under the universal copyright convention.