

# HIROSHIMA MATHEMATICAL JOURNAL

Formerly  
JOURNAL OF SCIENCE OF THE HIROSHIMA UNIVERSITY, SERIES A-I (MATHEMATICS)

---

VOLUME 13, NUMBER 3

DECEMBER, 1983

---

PUBLISHED BY  
DEPARTMENT OF MATHEMATICS  
FACULTY OF SCIENCE  
HIROSHIMA UNIVERSITY  
HIROSHIMA, JAPAN

Starting with Volume 4 (1974), each volume of the Hiroshima Mathematical Journal consists of three numbers annually.

PRINTED BY  
DAIGAKU INSATSU CO., LTD.  
HIROSHIMA, JAPAN