

ISSN 0040-8735

TOHOKU MATHEMATICAL JOURNAL

東北數學雜誌

THE SCIENCE REPORTS OF THE TOHOKU
UNIVERSITY, SIXTH SERIES
(FOUNDED BY T.HAYASHI IN 1911)

EDITED BY

SATORU IGARI YASUO MORITA
SEIKI NISHIKAWA TADA0 ODA
NORIO SHIMAKURA TOSHIKAZU SUNADA

WITH THE CO-OPERATION OF THE
MATHEMATICAL INSTITUTE OF TOHOKU UNIVERSITY

2000
March

SECOND SERIES VOL. 52, NO. 1

©THE TOHOKU UNIVERSITY
SENDAI, 980-8578 JAPAN