平成 2 年 6 月 15 日 印刷 平成 2 年 6 月 20 日 発行

編集発行者 東京工業大学

理学部数学教室

152 東京都目黒区大岡山 2-12-1

印刷 所 学術図書印刷株式会社

176 東京都練馬区豊玉北 2-13

Printed by GAKUZITSUTOSHO PRINTING CO., LTD. Nerima-ku, Tokyo, Japan

## CONTENTS

## Kodai Mathematical Journal Vol. 13, No. 2

| KAZUMI TANUMA, Remarks on effective curvature                           | 155 |
|---|-----|
| SHINJI YAMASHITA, Univalent analytic functions and the Poincaré metric  | 164 |
| XIAO-PING ZHAN, Picard set of a kind of differential polynomials        | 176 |
| KATSUYA MASHIMO AND HIROYUKI TASAKI, Stability of closed Lie sub-       |     |
| groups in compact Lie groups  | 181 |
| SHUKICHI TANNO, Integrals of some trigonometric functions               | 204 |
| JIAN-JY LIOU, Recurrence and transience of Gaussian diffusion processes | 210 |
| SEIYA SASAO AND JOON-SIM CHA, On self-homotopy equivalences on cover-   |     |
| ing spaces  | 231 |
| HENRI JORIS AND EMMANUEL PREISSMANN, Quotients of smooth functions      |     |
| TAKAFUMI MURAI, A formula for analytic separation capacity              | 265 |
| NOBUO TSUCHIYA, On elementary transversely affine foliations I          | 289 |
| STEVEN B. BANK AND J. K. LANGLEY, On the zeros of the solutions of the  |     |
| equation $w^{(k)}+(Re^p+Q)w=0$  | 298 |