

PROCEEDINGS OF THE JAPAN ACADEMY

SERIES A MATHEMATICAL SCIENCES

CONTENTS

Papers Communicated:—

| | Page |
|---|----------|
| T. SUZUKI and K. NAGASAKI: Nonlinear Eigenvalue Problem $\Delta u + \lambda e^u = 0$ on Simply Connected Domains in R^2 | 1 |
| K. ISHIZAKI: Admissible Solutions of Higher Order Differential Equations | 4 |
| H. M. SRIVASTAVA: Sums of a Certain Class of q -series | 8 |
| S. SANO: Invariant Spherical Distributions of Discrete Series on Real Semisimple Symmetric Spaces G_G/G_R | 12 |
| M. NUNOKAWA: On the Total Variation of Argument $f(z)$ Whose Derivative Has a Positive Real Part | 15 |
| P. D. PROINOV: On the Inequalities of Erdős-Turán and Berry-Esseen. II | 17 |
| M. MORISHITA: Iwasawa Theoretical Residue Formulas for Algebraic Tori | 21 |
| I. YAKABE: Minimal Quasi-ideals in Abstract Affine Near-rings | 25 |
| N. SASAKURA: Configuration of Divisors and Reflexive Sheaves | 27 |
| Proceedings at the 825th General Meeting | I |