

SEPTEMBER, 1993

VOL. LXIX, Ser. A, No. 7  
PJAADT 69A(7) 211-282 (1993)  
ISSN 0386-2194

PROCEEDINGS  
OF THE  
JAPAN ACADEMY

---

SERIES A  
MATHEMATICAL SCIENCES

---

CONTENTS

Papers Communicated:—

	Page
T. SUGAWA: A Class of Norms on the Spaces of Schwarzian Derivatives and its Applications .....	211
T. OSAWA and S. OZAWA: Singular Variation of Non-linear Eigenvalues. II. ....	217
M. MATSUKI and T. USHIJIMA: Error Estimation of Newmark's Method for Conservative Second Order Linear Evolution Equation. ....	219
T. KAWAI and Y. TAKEI: On the Structure of Painlevé Transcendents with a Large Parameter .....	224
N. TANAKA and A. TANI: Large-time Existence of Surface Waves of Compressible Viscous Fluid .....	230
M. NUNOKAWA: On the Order of Strongly Starlikeness of Strongly Convex Functions.....	234
K. AOMOTO and Y. KATO: Gauss Decomposition of Connection Matrices and Application to Yang-Baxter Equation. I .....	238
O. YAMADA: A Remark on the Limiting Absorption Method for Dirac Operators .....	243
I. SATAKE: Flat Structure for the Simple Elliptic Singularity of Type $E_6$ and Jacobi Form.....	247
K. TAKAKUWA and Y. ASAEDA: On a Conjecture on Pythagorean Numbers .....	252
M. ĆIRIĆ and S. BOGDANOVIC: Normal Band Compositions of Semigroups .....	256
T. KOBAYASHI: The Restriction of $A_q(\lambda)$ to Reductive Subgroups .....	262
T. KANNO and T. SHIRASOU: Value Groups of Henselian Valuations .....	268
T. ONO: A Note on Jacobi Sums. III .....	272
H. NAKAYA: Some Mean Squares in Connection with $\zeta(1+it)$ .....	275
K. YOSHINO: On the Class Number of an Abelian Field with Prime Conductor .....	278
Proceedings at the 871st General Meeting .....	XXVII

---

Published by the Japan Academy  
Ueno Park, Tokyo