

PROCEEDINGS OF THE JAPAN ACADEMY

SERIES A MATHEMATICAL SCIENCES

CONTENTS

Papers Communicated:—

	Page
E. HORIKAWA: Contiguity Relations for q -hypergeometric Function and Related Quantum Group	157
H. TSUJI: Analytic Zariski Decomposition	161
H. YAMAGUCHI: Equilibrium Vector Potentials in R^3	164
M. KWIECIŃSKI and S. YOKURA: Product Formula for Twisted MacPherson Classes	167
S. SHIMOMURA: Some Remarks on the Fifth Painlevé Equation on the Positive Real Axis	172
M. COSTE: Épaississement d'une hypersurface algébrique réelle	175
O. ALTINTAS and S. OWA: Majorizations and Quasi-subordinations for Certain Analytic Functions	181
S. OZAWA and S. ROPPONGI: Singular Variation of Domain and Eigenvalues of the Laplacian with the Third Boundary Condition	186
A. SAKURAMOTO: Extension of Jones' Projections	190
Y. HAMANA: The Variance of the Single Point Range of Two Dimensional Recurrent Random Walk	195
A. FUJII: On a Problem of Dinaburg and Sinai	198
H. NAKAYA: The Generalized Divisor Problem in Arithmetic Progressions	204
I. SHIOKAWA and J. TAMURA: Description of Sequences Defined by Billiards in the Cube	207
M. TOYOIZUMI and T. OKANO: A Note on the Irrationality of Certain Infinite Series	212
Y. TAGUCHI: On the π -adic Theory. Galois Cohomology	214
M. KATSURADA: Asymptotic Expansions of the Mean Square of Dirichlet L -functions	219
Proceedings at the 861st General Meeting	XXIX