MAY, 1993

VOL. LXIX, Ser. A, No. 5 PJAADT 69A(5) 99-154 (1993) ISSN 0386-2194

PROCEEDINGS

OF THE

JAPAN ACADEMY

SERIES A

MATHEMATICAL SCIENCES

CONTENTS

Papers Communicated:----

Page
H. KIMURA, Y. HARAOKA, and K. TAKANO: On Confluences of the General
Hypergeometric Systems
Y. HARAOKA and H. KIMURA: Contiguity Relations of Generalized Confluent
Hypergeometric Functions
N. HONDA: Regularity Theorems for Holonomic Modules
H. SHIRAKAWA: A Partial Criterion for Ergodicity of Geodesic Flows on Surfaces
with Infinite Area and Negative Curvature
M. NISIO: On Total Risk Aversion and Differential Games for Controlled Parabolic
Equations
A. FUJII: Eigenvalues of the Laplace-Beltrami Operator and the von-Mangoldt
Function
T. SAITO and T. TERASOMA: A Determinant Formula for Period Integrals
K. TAKEUCHI: On the Second Microlocalization along Isotropic Submanifolds 136
J. GOMEZ-CALDERON: On the Stabilizer of Companion Matrices
N. SASAKURA, Y. ENTA, and M. KAGESAWA: Construction of Rank Two Reflexive
Sheaves with Similar Properties to the Horrocks-Mumford Bundle
PC. HU and CC. YANG: Pseudo Volume Forms and their Applications to
Holomorphic Mappings 149
Proceedings at the 869th General Meeting IX

Published by the Japan Academy Ueno Park, Tokyo

THE JAPAN ACADEMY

(THE IMPERIAL ACADEMY OF JAPAN TILL DEC., 1947)

PRESIDENT: Yoshitaro WAKIMURA SECRETARY-GENERAL: Yoshio FUJITA CHAIRMAN OF SECTION I: Teiji ICHIKO CHAIRMAN OF SECTION II: Naohide HIRATSUKA

PUBLICATION COMMITTEE

CHAIRMAN: THE SECRETARY-GENERAL

Setsuro EBASHI (Pharmacology and Biophysics)	Masanao MATSUI (Agricultural Chemistry)
Teiji ICHIKO (Japanese Literature)	Takeo NAGAMIYA (Solid State Physics)
Shokichi IYANAGA (Mathematics)	Fumio NAKAJIMA (English Linguistics)
Yasuji KATSUKI (Physiology)	Shunzo OKAMOTO (Civil Engineering)
Motoo KIMURA (Genetics)	Yuzo YAMADA (Economics)

Notes

The papers printed in the Proceedings are generally résumés, while the publication of the full texts is left to the respective authors' choice.

All communications relating to the Proceedings should be addressed to the Secretary-General at the Office of the Academy, Ueno Park, Tokyo, 110.

Those who desire for particular articles may apply for their reprints to the respective authors.

Agents: Maruzen Co. Ltd., 3-10, Nihonbashi 2 Chome, Chuo-ku, Tokyo, 103