PROCEEDINGS

OF THE

JAPAN ACADEMY

SERIES A MATHEMATICAL SCIENCES

CONTENTS

Papers Communicated:—
Paj
M. JIMBO and T. MIWA: Studies on Holonomic Quantum Fields. XIV 157
S. TAKAHASHI: A Version of the Central Limit Theorem for Martin-
gales
Y. YAMADA: Note on Certain Nonlinear Evolution Equations of Second
Order
S. OZAWA: Perturbation of Domains and Green Kernels of Heat Equa-
tions. II
T. FUNAKI: Probabilistic Construction of the Solution of Some Higher
Order Parabolic Differential Equation
D. FUJIWARA: A Remark on the Hadamard Variational Formula 180
M. Mulase: Poles of Instantons and Jumping Lines of Algebraic
Vector Bundles on P^3
Y. MOTOHASHI: A Note on Siegel's Zeros 190
T. Ohsawa: A Counter Example of Ampleness of Positive Line Bundles 193
Proceedings at the 729th General Meeting XIII

Published by the Japan Academy Ueno Park, Tokyo

THE JAPAN ACADEMY

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

PRESIDENT: Kiyoo WADATI

SECRETARY-GENERAL: Hiromi Arisawa

CHAIRMAN OF SECTION I: Kisaburo Yokota

CHAIRMAN OF SECTION II: Chuji TSUBOI

PUBLICATION COMMITTEE

CHAIRMAN: THE SECRETARY-GENERAL

Hiromi Arisawa (Economics and Kazuo Okochi

Statistics)

Yoshio Fujita (Astronomy)
Yasuji Katsuki (Physiology)

Masaakira KATSHMOTO (Civil Law and

Masaakira KATSUMOTO (Civil Law and Copyright Law)

Tsunahiro Kikui (Law of Civil Procedure)

Teiichi Kobayashi (Historical Geology and Palaeontology)

Masao Kotani (Physics)

Teizo OGAWA (Anatomy, Neurology and Medical History) Kazuo Okochi (Labour Problems)

Takeshi Saito (English Literature)

Taro SAKAMOTO (Japanese History)

Takayuki Somiya (Applied Chemistry and Technical Analysis)

Sankichi Takei (Agricultural Chemistry and Chemistry of Pesticide)

Moritaro YAMADA (Economics)

Kisaburo Yokota (Public International Law)

Kôsaku Yosida (Mathematics)

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