FEBRUARY, 1985

VOL. LXI, Ser. A, No. 2 PJAADT 61A(2) 27-58 (1985) ISSN 0386-2194

## PROCEEDINGS

### OF THE

# JAPAN ACADEMY

### SERIES A

#### MATHEMATICAL SCIENCES

#### CONTENTS

Papers Communicated:----

Pa	ze
Y. MORIMOTO and K. TANIGUCHI: Propagation of Wave Front Sets of	
Solutions of the Cauchy Problem for a Hyperbolic System in	
Gevrey Classes	27
T. SAKURAI: Propagation of Singularities of Solutions to Semilinear	
Schrödinger Equations	31
JA. CHAO and H. OMBE: Commutators on Dyadic Martingales	35
S. KAIZU: The Robin Problems on Domains with Many Tiny Holes	39
K. KITAMURA: Equilibrium Measures on Recurrent Markov Processes	
	43
K. HASHIMOTO: A Formula for the Number of Semi-simple Conjugacy	
Classes in the Arithmetic Subgroups	48
T. IRITE: On Z-Valued Additive Functions on Module Category	51
Y. MATSUMOTO: Diffeomorphism Types of Elliptic Surfaces	55
Proceedings at the 786th General Meeting	п

Published by the Japan Academy Ueno Park, Tokyo

## THE JAPAN ACADEMY

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

PRESIDENT: Hiromi ARISAWA SECRETARY-GENERAL: Kenjiro KIMURA CHAIRMAN OF SECTION I: Taro Sakamoto CHAIRMAN OF SECTION II: Seiji KAYA

#### PUBLICATION COMMITTEE

CHAIRMAN: THE SECRETARY-GENERAL

Setsuro EBASHI (Pharmacology and Biophysics)	Tsunahiro KIKUI (Law of Civil Procedure)
Yoshio FUJITA (Astronomy)	Fumio NAKAJIMA (English Linguistics)
Shinji FUKUI (Mechanical Engineering)	Kiyoshi Takewaki (Endocrinology)
Nachide HIRATSUKA (Plant Pathology and Mycology)	Takao TSUCHIYA (Economic History of Japan)
Teiji Iсніко (Japanese Literature)	Yuzo YAMADA (Economics)
Yasuji Katsuki (Physiology)	Kisaburo Yokota (Public International Law)
Masaakira KATSUMOTO (Civil Law and Copyright 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