

# PROCEEDINGS OF THE JAPAN ACADEMY

---

## SERIES A MATHEMATICAL SCIENCES

---

### CONTENTS

Papers Communicated:—

|   | Page |
|---|------|
| M. YAMAZAKI: The $L^p$ -boundedness of Pseudo-differential Operators Satisfying Estimates of Parabolic Type and Product Type . . .            | 279  |
| T. ÔAKU: A New Formulation of Local Boundary Value Problem in the Framework of Hyperfunctions. I . . . . .                                    | 283  |
| J.-L. LIEUTENANT: Microlocalization at Infinity of the Sheaf of Real Analytic Functions . . . . .   | 287  |
| K. KUBOTA: Parametrices and Propagation of Singularities near Gliding Points for Mixed Problems for Symmetric Hyperbolic Systems. I . . . . . | 291  |
| Y. HAYASHI: On Existence of the Solution of a Certain Integral Equation of the First Kind in the sense of a Distribution . . .                | 295  |
| H. KAWAI: $\alpha$ -additive Functions and Uniform Distribution modulo One . . . . .  | 299  |
| M. WATABE: On Certain Cubic Fields. V . . . . .   | 302  |
| H. ISHIKAWA: Extended Epstein's Zeta Functions over $CM$ -fields . . .  | 306  |
| Proceedings at the 782nd General Meeting . . . . .  | XXXI |

# 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 ( <i>Pharmacology and<br/>Biophysics</i> )      | Tsunahiro KIKUI ( <i>Law of Civil<br/>Procedure</i> )   |
| Yoshio FUJITA ( <i>Astronomy</i> )                             | Fumio NAKAJIMA ( <i>English Linguistics</i> )           |
| Shinji FUKUI ( <i>Mechanical Engineering</i> )                 | Kiyoshi TAKEWAKI ( <i>Endocrinology</i> )               |
| Naohide HIRATSUKA ( <i>Plant Pathology<br/>and Mycology</i> )  | Takao TSUCHIYA ( <i>Economic History of<br/>Japan</i> ) |
| Teiji ICHIKO ( <i>Japanese Literature</i> )                    | Yuzo YAMADA ( <i>Economics</i> )                        |
| Yasuji KATSUKI ( <i>Physiology</i> )                           | Kisaburo YOKOTA ( <i>Public International<br/>Law</i> ) |
| Masaakira KATSUMOTO ( <i>Civil Law and<br/>Copyright Law</i> ) | Kôsaku YOSIDA ( <i>Mathematics</i> )                    |

---

## 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