

*Memoirs of the*  
FACULTY OF ENGINEERING  
KYOTO UNIVERSITY

VOLUME XXVII PART 2

APRIL, 1965

Published by  
KYOTO UNIVERSITY  
KYOTO, JAPAN

MEMOIRS OF THE FACULTY OF ENGINEERING  
KYOTO UNIVERSITY

VOLUME XXVII

PART 2

APRIL 1965

CONTENTS

Minoru MATSUO and Norio YAGI: *Study on Repetitional Consolidation of Clay.* . . . . . 155

Hiroshi MAEDA: *A Method to Optimize the Stability of a Linear Dynamic System. II. With Equality Constraints.* . . . . 166

Kiyoshi TAKIMOTO, Taneo MINATO and Minori SANO: *Studies on the Molybdenum Deposits of the Daito District, Shimane Prefecture, Japan.* . . . . . 178

Sanji NISHIMURA, Iwao TOKURA and Yoshio KONDO: *Studies on the System Hydrochloric Acid-Water-Tri-n-Butyl Phosphate.* . . . . 202

Ryozo TOEI and Shinya HAYASHI: *The Liquid Fraction of Moisture Transfer in the Drying Process of a Bed of Granular and Powdered Materials.* . . . . . 218

Akio NAKAJIMA and Fumi-yuki HAMADA: *Thermodynamic Study on Fusion, in Crystalline Polymer and Its Mixture with Diluent, based on Folded Chain Crystalline Model.* . . . . . 231

---

This memoirs is issued quarterly by the University to publish the original contributions to engineering science made or communicated by the members of the faculty. The faculty consists of following departments:

- |                                         |                                          |
|-----------------------------------------|------------------------------------------|
| Dept. of Civil Engineering              | Dept. of Nuclear Engineering             |
| Dept. of Mechanical Engineering         | Dept. of Sanitary Engineering            |
| Dept. of Electrical Engineering         | Dept. of Applied Mathematics and Physics |
| Dept. of Mineral Science and Technology | Dept. of Precision Mechanics             |
| Dept. of Metallurgy                     | Dept. of Synthetic Chemistry             |
| Dept. of Industrial Chemistry           | Dept. of Electrical Engineering, II      |
| Dept. of Architecture                   | Dept. of Metal Science and Technology    |
| Dept. of Fuel Chemistry                 | Dept. of Mechanical Engineering, II      |
| Dept. of Chemical Engineering           | Dept. of Transportation Engineering      |
| Dept. of Polymer Chemistry              | Dept. of Architectural Engineering       |
| Dept. of Electronics                    | Automation Research Laboratory           |
| Dept. of Aeronautical Engineering       | Ionosphere Research Laboratory           |

All communications regarding the memoirs should be addressed to the dean of the faculty

Vol. XXVII, Part 2

April 1965.

---

昭和四十年五月十五日 印刷  
昭和四十年五月二十日 発行

編集兼発行者 京都大学工学部

印刷者 小林 積 造  
大阪市福島区亀甲町二ノ六二

印刷所 日本印刷出版株式会社  
大阪市福島区亀甲町二ノ六二