

ISSN 0023-6063

*Memoirs of the*  
FACULTY OF ENGINEERING  
KYOTO UNIVERSITY

VOLUME XLVIII PART 3

JULY 1986

Published by  
KYOTO UNIVERSITY  
KYOTO, JAPAN

MEMOIRS OF THE FACULTY OF ENGINEERING  
KYOTO UNIVERSITY

VOLUME XLVIII

PART 3

JULY 1986

CONTENTS

Kazuo SHIN, Masahiro TAKASUGI and Tomonori HYODO <i>Multi-dimensional Sensitivity Analysis by Monte Carlo Method</i> .....	265
Shinichi NAKAYAMA, Hirotake MORIYAMA, Hajime ARIMOTO and Kunio HIGASHI <i>Distribution Coefficients of Americium, Neptunium, and Protactinium for Selected Rocks</i> .....	275
Jun-ichi KOKADO, Natsuo HATTA und Hirohiko TAKUDA <i>Temperaturkontrolle der Bramme bei der unmittelbaren Verbindung der Stranggießanlage mit der Warmbreitbandstraße</i> .....	284
Tsuguo ANDO and Juro UMOTO <i>A Two-Dimensional Numerical Solution of Transient Magnetic Flux Distribution in Electric Machines Considering Magnetic Saturation and Hysteresis</i> .....	307
Takanori MIYAKE and Tomoyuki INUI <i>Dynamic Behavior in Methanation Activity During the Reaction on Supported Nickel-based Catalysts</i> .....	323
Toshiro OTOWA, Fumio OKAZUMI and Tomoyuki INUI <i>Reaction Characteristics of Monolithic Catalysts with Different Size of Channels for NO<sub>x</sub> Reduction</i> .....	332
Masamitsu OHNISHI, Zhen-Min ZOU, Toshihide IBARAKI and Hisashi MINE <i>An Optimal Replacement Problem of A Semi-Markovian Deteriorating System</i> .....	344
Yoshihisa HONDA, Hiroshi MATSUHISA and Susumu SATO <i>Vibration Isolation of a Compound Mountiong System on an Elastic Floor</i> .....	359

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 Sanitary Engineering
Dept. of Mechanical Engineering	Dept. of Applied Mathematics and Physics
Dept. of Electrical Engineering	Dept. of Precision Mechanics
Dept. of Mineral Science and Technology	Dept. of Synthetic Chemistry
Dept. of Metallurgy	Dept. of Electrical Engineering, II
Dept. of Industrial Chemistry	Dept. of Metal Science and Technology
Dept. of Architecture	Dept. of Transportation Engineering
Dept. of Hydrocarbon Chemistry	Dept. of Architectural Engineering
Dept. of Chemical Engineering	Dept. of Information Science
Dept. of Polymer Chemistry	Dept. of Engineering Science
Dept. of Electronics	Div. of Molecular Engineering
Dept. of Aeronautical Engineering	Automation Research Laboratory
Dept. of Nuclear Engineering	Ion Beam Engineering Experimental Laboratory

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

Vol. XLVIII, Part 3

July 1986.

昭和61年7月25日 印刷  
昭和61年7月31日 発行

編集兼発行者 京都大学工学部

印刷者 中村督信  
京都市南区吉祥院池ノ内町10

印刷所 明文舎印刷株式会社  
京都市南区吉祥院池ノ内町10