Memoirs of the FACULTY OF ENGINEERING KYOTO UNIVERSITY

VOLUME XLIV PART 4
OCTOBER 1982

Published by KYOTO UNIVERSITY KYOTO, JAPAN

MEMOIRS OF THE FACULTY OF ENGINEERING KYOTO UNIVERSITY

VOLUME XLIV

PART 4 OCTOBER 1982

CONTENTS

Sadao Masamune, Issei Yokoyama, Masayuki Fukao	
and Hiroshi Nishihara	
Electron Temperature Measurement by Thomson Scattering in Tokamak NOVA	
II	451
Yoshiki Такеисні and Hajime Аказні	
State Estimation of Jump Parameter Systems with State-Dependent Observation	
Noise	460
Eiji Matsumoto	
A Discontinuity in Deformation Gradient Induced by Acceleration Waves in	
One-Dimensional Elastic Materials	473
Osamu Yamamoto, Toshihiko Kouno, Chikasa Uenosono	
and Muneaki Hayashi	
Space Charge Measurement Using a Small Sphere as a Probe	483
Seiichi Washio, Tadataka Konishi and Norihiko Higashide	
Experimental Studies on Steady-state Oil Flows through Restrictors 5	501

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 Dept. of Synthetic Chemistry Technology Dept. of Electrical Engineering, II Dept. of Metallurgy Dept. of Metal Science and Technology Dept. of Industrial Chemistry Dept. of Transportation Engineering Dept. of Architectural Engineering Dept. of Architecture Dept. of Hydrocarbon Chemistry Dept. of Information Science Dept. of Chemical Engineering Dept. of Engineering Science Dept. of Polymer Chemistry Automation Research Laboratory Dept. of Electronics Ion Beam Engineering Experimental Dept. of Aeronautical Engineering Laboratory Dept. of Nuclear Engineering

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

