Memoirs of the FACULTY OF ENGINEERING KYOTO UNIVERSITY

VOLUME XXVI PART 2 APRIL 1964

> Published by KYOTO UNIVERSITY KYOTO, JAPAN

MEMOIRS OF THE FACULTY OF ENGINEERING KYOTO UNIVERSITY

VOLUME XXVI

PART 2

APRIL 1964

CONTENTS

Kazuhiro Yoshikawa: Study on Evaluation Efficiency of Investment	
for Regional Public Works	69
Naruhito Shiraishi: On the Coupled Free Vibrations of a Suspension	
Bridge (II)	75
Keiji Okushima, Katsundo HITOMI and Shuntaro ITO: A Study of	
Super-High Speed Machining	85
Shigenori HAYASHI and Kooichi MIZUKAMI: Analysis of the Harmonic	
Producer Circuits.	110
Yoshikazu Sawaragi, Yoshifumi Sunahara and Takashi Soeda: A	
Statistical Study on the Response of Non-linear Control Systems	
Subjected to a Non-stationary Gaussian Random Input	132

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	Dept. of Precision Mechanics
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 Mechanical Engineering, II
Dept. of Fuel Chemistry	Dept. of Transportation Engineering
Dept. of Chemical Engineering	Dept. of Architectural Engineering
Dept. of Polymer Chemistry	Automation Research Laboratory
Dept. of Electronics	Ionosphere Research Laboratory
Dept. of Aeronautical Engineering	

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

Vol. XXV	VI,	Part 2			_		Ap	ril	1964.
	•••	十九年					印 開 発行	•	
編集兼	発行	诸	京	都	大	学	工:	学	部
印	刷	者	小	大阪	林	島区省	積	ニノ	造 六二
印	刷	所	日:			出版			

,