## Memoirs of the FACULTY OF ENGINEERING KYOTO UNIVERSITY

VOLUME LII PART 3

JULY 1990

Published by KYOTO UNIVERSITY KYOTO, JAPAN

## MEMOIRS OF THE FACULTY OF ENGINEERING KYOTO UNIVERSITY

VOLUME LI

PART 3

JULY 1990

## CONTENTS

Tohru KATAYAMA and Yoshiro WASHIKITA

Solutions to Wiener Filtering and Stationary LQG Problems via H<sub>2</sub> Control Theory-Part I: Continuous-Time System.......219

 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 Mechanical Engineering

Dept. of Electrical Engineering Dept. of Mineral Science and

Technology

Dept. of Metallurgy

Dept. of Industrial Chemistry

Dept. of Architecture

Dept. of Hydrocarbon Chemistry

Dept. of Chemical Engineering

Dept. of Polymer Chemistry

Dept. of Electronics

Dept. of Aeronautical Engineering

Dept. of Nuclear Engineering

Dept. of Environmental & Sanitary

Engineering Dept. of Applied Mathematics and

Physics

Dept. of Precision Mechanics

Dept. of Synthetic Chemistry

Dept. of Electrical Engineering, II

Dept. of Metal Science and Technology

Dept. of Transportation Engineering

Dept. of Architectural Engineering

Dept. of Information Science

Dept. of Engineering Science

Div. of Molecular Engineering

Div. of Applied Systems Science

Ion Beam Engineering Experimental

Laboratory Research Laboratory for Control of Environmental Micropollutants

Research Laboratory of Carbonaceous Resources Conversion Technology

Integrated Media Environment Experimental Laboratory

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

Vol. LII, Part 3	<del>1 </del>	July 1990.
	:年7月25日 :年7月31日	
編集兼発行者	京都大	学工学部
印刷者	中 村	督信
印刷所		] 刷株式会社 南区吉祥院池ノ内町10