

ISSN 0023-6063

Memoirs of the
FACULTY OF ENGINEERING
KYOTO UNIVERSITY

VOLUME LVII PART 2

APRIL 1995

Published by
KYOTO UNIVERSITY
KYOTO, JAPAN

MEMOIRS OF THE FACULTY OF ENGINEERING
KYOTO UNIVERSITY

VOLUME LVII

PART 2

APRIL 1995

CONTENTS

Koichiro NAKANISHI and Kazuhiro NOMURA

*Molecular Dynamics Study of Small-Size Argon Clusters: Effects of Three-Body
Interaction on Structure, Dynamics and Phase Transition*41

Tohru KATAYAMA, Takaya YAMAMOTO and Yang WU

A Subspace Identification of δ -Operator State-Space Model73

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	Div. of Synthetic Chemistry and Biological Chemistry
Dept. of Mechanical Engineering	Div. of Electronics and Communication
Div. of Electrical Engineering	Dept. of Metal Science and Technology
Dept. of Mineral Science and Technology	Dept. of Transportation Engineering
Dept. of Metallurgy	Dept. of Architectural Engineering
Div. of Material Chemistry	Div. of Information Science
Dept. of Architecture	Dept. of Engineering Science
Div. of Energy and Hydrocarbon Chemistry	Div. of Molecular Engineering
Div. of Chemical Engineering	Div. of Applied Systems Science
Div. of Polymer Chemistry	Div. of Global Environment Engineering
Div. of Electronic Science and Engineering	Ion Beam Engineering Experimental Laboratory
Dept. of Aeronautical Engineering	Laboratory for Control of Environmental Micropollutants
Dept. of Nuclear Engineering	Research Laboratory of Carbonaceous Resources Conversion Technology
Dept. of Environmental & Sanitary Engineering	Integrated Media Environment Experimental Laboratory
Div. of Applied Mathematics and Physics	Mesoscopic Materials Research Center
Dept. of Precision Mechanics	

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

Vol. LVII, Part 2 APRIL 1995

平成7年4月21日 印刷
平成7年4月28日 発行

編集兼発行者 京都大学工学部
印刷者 中西隆太郎
印刷所 中西印刷株式会社
京都市上京区下立売通小川東入ル