

ISSN 0023-6063

Memoirs of the
FACULTY OF ENGINEERING
KYOTO UNIVERSITY

VOLUME LIV PART 4

OCTOBER 1992

Published by
KYOTO UNIVERSITY
KYOTO, JAPAN

MEMOIRS OF THE FACULTY OF ENGINEERING
KYOTO UNIVERSITY

VOLUME LIV

PART 4

OCTOBER 1992

CONTENTS

Nobuyuki TAKAHASHI and Hisanao OGURA <i>Probability Distribution of Maxima of Random Surface</i>	193
Jian ZHENG, Haruyuki ATOMI, Mitsuyoshi UEDA and Atsuo TANAKA <i>Expression Cloning of Catalase Genomic Gene: Genomic DNA Expression Library of Candida boidinii in Saccharomyces cerevisiae</i>	215
Atsushi OKAMOTO and Shin-Ichi AKAMATU <i>Fundamental Analytics of Mirror Photogrammetry</i>	221
Atsushi OKAMOTO and Shin-Ichi AKAMATU <i>Different Considerations in Mirror Photogrammetry</i>	241
Iehisa NEZU, Akihiro TOMINAGA and Hiroji NAKAGAWA <i>Three-Dimensional Turbulent Structure and Associated Secondary Currents in Straight Rivers —Field Measurements of River Turbulence—</i>	255
Masamitsu NAKAJIMA and Paul R. WINNING <i>A High-Speed Numerical Analysis Technique for Millimetre Wave Aperture Antennae</i>	279
Katsushi NISHINO, Tsunenobu KIMOTO and Hiroyuki MATSUNAMI <i>Epitaxial Growth of β-SiC on α-SiC Substrates by Chemical Vapor Deposition</i>	299
Tadashi FUJII, Takashi FUYUKI and Hiroyuki MATSUNAMI <i>Deposition of Hydrogenated Amorphous Silicon Carbon Films Using Vacuum Ultraviolet Light</i>	315

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 Synthetic Chemistry
Dept. of Mechanical Engineering	Dept. of Electrical Engineering, II
Dept. 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
Dept. of Industrial Chemistry	Dept. of Information Science
Dept. of Architecture	Dept. of Engineering Science
Dept. of Hydrocarbon Chemistry	Div. of Molecular Engineering
Dept. of Chemical Engineering	Div. of Applied Systems Science
Dept. of Polymer Chemistry	Div. of Global Environment Engineering
Dept. of Electronics	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
Dept. of Applied Mathematics and Physics	Mesosopic Meterials Research Center
Dept. of Precision Mechanics	

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

Vol. LIV, Part 4

October 1992

平成4年10月26日 印刷

平成4年10月30日 発行

編集兼発行者 京都大学工学部

印刷者 増田達夫

印刷所 大学印刷株式会社
広島市安佐北区上深川町809-5