Memoirs of the FACULTY OF ENGINEERING KYOTO UNIVERSITY

VOLUME XLVII PART 2

APRIL 1985

Published by
KYOTO UNIVERSITY
KYOTO, JAPAN

MEMOIRS OF THE FACULTY OF ENGINEERING KYOTO UNIVERSITY

VOLUME XLVII PART 2 APRIL 1985

CONTENTS

Sei MIURA, Kazuo HAMASHIMA and Satoshi HASHIMOTO Plastic Deformation of (111) Oriented Aluminum Single Crystals	79
Sei MIURA, Kazuo HAMASHIMA and Satoshi HASHIMOTO Effect of Deformation Temperature on the Stage IV Deformation in <100> Oriented Aluminum Single Crystal	91
Sei Miura, Kazuo Hamashima, Satoshi Hashimoto and Norihiko Nakanishi Effect of Grain Boundary on Pseudo-elastic Deformation of Cu-Zn-Si Bicrystal of Shape Memory Alloy	101
Jun-ichi Kokado, Natsuo Hatta und Hirohiko Takuda Untersuchungen über das Horizontalwalzen des hundeknochenförmigen Walzgutes und über das mehrstufige Walzen für die Breitenabnahme der Brammen	
Jun-ichi Kokado, Natsuo Hatta, Hirohiko Takuda, Takao Kawanami, Kazuo Watanabe und Shiro Ichikawa Verteilung der im Walzgut hervorgerufenen Spannungen beim Breitenabnahmenprozeß der Brammen	114
Hideyuki Kobayashi, Tadashi Nakagawa and Michio Nishida Experimental and Numerical Investigations of Annular Free jets	130
Shinichi Nakayama, Ikuji Takagi and Kunio Higashi Hazard Evaluation on Geologic Disposal of High-Level Radioactive Waste	142 152
Yoshinori Kanamori, Yoichi Haruyama, Teruo Kido and Fumio Fukuzawa Z _T Dependence of Matastable Fraction of MeV Neutral Helium Beam Produced by Single Electron-Capture	165

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

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

 Vol. XLVII, Part 2
 April 1985.

 昭和60年7月10日 印刷 昭和60年7月15日 発行

 編集兼発行者 京都大学工学部 印刷者中 村 督 信 京都市南区吉祥院池ノ内町10

 印刷所 明文舎印刷株式会社 京都市南区吉祥院池ノ内町10