

Memoirs of the
FACULTY OF ENGINEERING
KYOTO UNIVERSITY

VOLUME XXXVII PART 4

OCTOBER 1975

Published by
KYOTO UNIVERSITY
KYOTO, JAPAN

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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 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 Transportation Engineering
Dept. of Hydrocarbon Chemistry	Dept. of Architectural Engineering
Dept. of Chemical Engineering	Dept. of Information Science
Dept. of Polymer Chemistry	Dept. of Engineering Science
Dept. of Electronics	Automation Research Laboratory
Dept. of Aeronautical Engineering	Ionosphere Research Laboratory
Dept. of Nuclear Engineering	Plasma Physics Laboratory

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

Vol. XXXVII, Part 4

October 1975.

昭和50年12月25日 印刷

昭和50年12月31日 発行

編集兼発行者 京都大学工学部

印刷者 中西 亨
京都市上京区下立売小川東入

印刷所 中西印刷株式会社
京都市上京区下立売小川東入