

Memoirs of the
FACULTY OF ENGINEERING
KYOTO UNIVERSITY

VOLUME XXVII PART 4

OCTOBER 1965

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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 Nuclear Engineering
Dept. of Mechanical Engineering	Dept. of Sanitary Engineering
Dept. of Electrical Engineering	Dept. of Applied Mathematics and Physics
Dept. of Mineral Science and Technology	Dept. of Precision Mechanics
Dept. of Metallurgy	Dept. of Synthetic Chemistry
Dept. of Industrial Chemistry	Dept. of Electrical Engineering, II
Dept. of Architecture	Dept. of Metal Science and Technology
Dept. of Fuel Chemistry	Dept. of Mechanical Engineering, II
Dept. of Chemical Engineering	Dept. of Transportation Engineering
Dept. of Polymer Chemistry	Dept. of Architectural Engineering
Dept. of Electronics	Automation Research Laboratory
Dept. of Aeronautical Engineering	Ionosphere Research Laboratory

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

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