

LIST OF PAPERS BY THE MEMBERS OF  
EARTHQUAKE RESISTANT STRUCTURE RESEARCH CENTER

(Jan. ~ Dec., 1977)

SEISAN-KENKYU: Monthly Journal of the Institute of Industrial  
Science, University of Tokyo

JSCE: Japan Society of Civil Engineers

JSME: The Japan Society of Mechanical Engineers

AIJ : Architectural Institute of Japan

JSSC: Japan Society of Steel Construction

WCEE: The World Conference of Earthquake Engineering

\* : Written in Japanese

C. Tamura, "On Seismic Deformation Method for Earthquake Resistant Design of Underground Structures", SEISAN-KENKYU, Vol. 29, No. 5, May, 1977, pp 33-39.

C. Tamura, "California Institute of Technology", SEISAN-KENKYU, Vol. 29, No. 7, July, 1977, pp 35-37.

C. Tamura, "Earthquake Resistant Design and Earthquake Resistance of Underground Structures", Journal of JSCE, Vol. 62, No. 11, Nov., 1977, pp 54-61.

C. Tamura, "On Earthquake Resistant Design for Public Work Structures", Electric Power Civil Engineering, No. 152, Jan., 1978, pp 3-4.

C. Tamura and K. Kato, "On Earthquake Motion at Rocky Ground", Annual Meeting of JSCE, Part I, I-169, Oct., 1977.

C. Tamura, K. Kato and M. Ishii, "Earthquake Observation on Tunnel Constructed in a Soft Layer", Annual Meeting of JSCE, Part I, I-248, Oct., 1977.

C. Tamura and M. Ishii, "A Study on Dynamic Strain of Shield Driven Tunnel during Earthquakes", Annual Meeting of JSCE, Part I, I-249, Oct., 1977.

C. Tamura and S. Morichi, "Experimental Study on Propagation of Waves on a Embankment", Annual Meeting of JSCE, Part I, I-267, Oct., 1977.

C. Tamura and Y. Nakamura, "On Wave Propagation of Shock Wave in the Ground around Tunnel", Annual Meeting of JSCE, Part I, I-271, Oct., 1977.

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\* T. Okada, M. Seki, K. Okada, S. Asai and Y. Park: "Response of Reinforced Concrete Building Frames to Bi-directional Earthquake Ground Motion (Part 1, 2 and 3)", papers presented to the Annual Convention of AIJ, Hiroshima, Japan, Oct., 1977.

\* M. Seki and T. Okada: "Earthquake Response Simulation of Reinforced Concrete Building Frames by Computer-Actuator On-line System", A paper presented to the Annual Convention of AIJ, Hiroshima, Japan, Oct., 1977.

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T. Okada (Compiled as a chairman of the Task Committee in Japan Special Building Safety Foundation): "Guide Line to estimate Seismic Safety Index of Existing Reinforced Concrete Buildings", April, 1977.

\* T. Okada: "Seismic Capacity of Earthquake Damaged Buildings" Cement and Concrete, No. 367, Sept., 1977.

T. Okada: "The Experimental Investigation on ERCBC with Emphasis on the Use of Earthquake Response Simulators in Japan", State-of-the-Art Report presented to the Workshop on Earthquake Resistant Reinforced Concrete Building Constructions, Berkeley, California, USA, July, 1977.

H. Shibata: "Fundamental Concept of Aseismic Design Code of Lifeline Systems and Industrial Facilities", Preprint for U.S.-Japan Joint Seminar on Earthquake Engineering Research with Emphasis on Lifeline Systems (Tokyo), Nov., 1976.

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- H. Shibata: "A Comment on Fuzzy Set", Summary of Papers on General Fuzzy Problems, The Working Group on Fuzzy Problems, Tokyo, Japan, No. 2, Dec., 1976.
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- \* K. Sogabe, T. Shigeta and H. Shibata: "A Fundamental Study on the Aseismic Design of Liquid Storages", Report of Institute of Industrial Science, Vol. 26, No. 7, March, 1977.
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- \* H. Shibata: "Development of Anti-Earthquake Design Research on Equipment and Piping Systems in Industrial Facilities through the Activity of the ERS" SEISAN-KENKYU, Vol. 29, No. 5, May, 1977.
- \* H. Shibata: "Structural Reliability and Its Proving in Reactor Technology" J. of Atomic Energy Society of Japan, Chapt. IV, July, 1977.
- H. Shibata: "On Proving Test of Earthquake Resistant Piping and Active Components" Pre-print of 4th Conference on Structural Mechanics in Reactor Technology (SMiRT-4) (San Francisco), K8/8\*, August, 1977. (Abstract only, Full paper will be printed in Nuclear Engineering and Design)
- H. Shibata: "On Extreme Loading Design Condition and its Tendency in Japan" Post conference of SMiRT-4, Extreme Loading Condition (San Francisco), August, 1977.
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T. Kawai: "New Discrete Structural Models and Generalization of the Method of Limit Analysis", International Conference on Finite Elements in Nonlinear Solid and Structural Mechanics, Geilo, Norway, August 29 - September 1, 1977.

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- \* K. Tokida, T. Katayama and M. Saeki: "Statistical Analysis of Acceleration Response Spectra", Preprint of JSCE Meeting, Oct., 1977.

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  - \* N. Ohbo, T. Katayama and K. Kubo: "Propagation of Traffic-Induced Vibrations from Highway Embankment", Preprint of JSCE, Oct., 1977.
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