

和泉正哲教授著作目録

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学 歴

昭和28年 3 月 東京大学工学部建築学科卒業
昭和30年 3 月 東京大学大学院数物系研究科修士課程修了
昭和33年 3 月 東京大学大学院数物系研究科博士課程修了

職 歴

昭和33年 4 月 建設省建築研究所研究員（第三研究部構造研究室）
昭和42年 4 月 建設省建築研究所主任研究員（国際地震工学部第一耐震工学室）
昭和43年12月 建設省建築研究所構造研究室長（第三研究部）
昭和45年 5 月 建設省建築研究所振動研究室長（第三研究部）
昭和47年 9 月 東北大学工学部教授
昭和61年 4 月～平成 2 年 6 月
工学部附属耐震構造実験施設長併任

受 賞

昭和60年 5 月 日本建築学会賞
平成 4 年10月26日 科学技術庁長官賞

著 書

昭和37年（1962）	建築耐風耐雪論（建築学体系20）（共著）	彰国社
昭和40年（1965）	建築技術者のための電子計算機の応用	オーム社
昭和59年（1984）	建築構造力学 1	培風館
平成元年（1989）	建築構造力学 2	培風館
		等々

List of Publications

a. Papers in Journals

Journal of Engineering Mechanics, ASCE

- 1) S. Xue, J. Tobita, T. Hanzawa and M. Izumi: Wave Attenuation in Viscoelastic Continuum with Fading Memory, *J. of Engineering Mechanics*, ASCE, **118**(8), 1597–1611, 1992.8.
- 2) S. Xue, J. Tobita and M. Izumi: Wave Attenuation in Elastic Continuum with Attenuating Neighborhood, *J. of Engineering Mechanics*, ASCE, **120**(3), 1994.3. (to be printed)

Earthquake Engineering and Structural Dynamics

- 1) H. Katukura, S. Ohno and M. Izumi: Symmetrical FFT Technique and its Applications to Earthquake Engineering, *Earthquake Engineering and Structural Dynamics*, **18**, 717–725, 1989.

Journal of Natural Disaster Science

- 1) M. Izumi, Y. Sugimura and S. Xue: The Nonlinear Pile—Part 1. Wave Propagation in a Nonlinear Elastic Pile, *J. of Natural Disaster Science*, **12**(1), 1990.

Theoretical and Applied Mechanics

- 1) H. Mihashi and M. Izumi: Deformation and Fracture of Concrete under Cyclic Loads, *Theoretical and Applied Mechanics*, **32**, 445–452, 1984.3.

Transactions of the Architectural Institute of Japan : until 1984.12 (No.346)

- 1) K. Matsushita and M. Izumi: Problems Concerning the Loads in Architectural Designing, *Trans. AIJ*, **54**, 177–180, 1956.9. (in Japanese)
- 2) K. Matsushita and M. Izumi: Data Concerning Architectural Load (Part 2), *Trans. AIJ*, **54**, 181–184, 1956.9. (in Japanese)
- 3) K. Matsushita and M. Izumi: Data Concerning Architectural Load (Part 5—Partial Destruction Caused by Earthquakes Such as Exfoliation of Tiles, etc.), *Trans. AIJ*, **55**, 1–6, 1957.2. (in Japanese)

- 4) K. Matsushita and M. Izumi: Data Concerning Architectural Load (Part 6-Physical Strength, A), *Trans. AIJ*, **56**, 22-29, 1957.6. (in Japanese)
- 5) K. Matsushita and M. Izumi: Data Concerning Architectural Load (Part 7-Physical Strength, B), *Trans. AIJ*, **57**, 245-248, 1957.7. (in Japanese)
- 6) T. Hisada, K. Nakagawa and M. Izumi: Experimental Study on Aseismic Reinforcement of Calder Hall-Type Power Reactor, *Trans. AIJ*, **63**, 281-284, 1959.10. (in Japanese)
- 7) M. Izumi: An Analysis of Building Vibrations (Part 1), *Trans. AIJ*, **69**, 429-432, 1961.10. (in Japanese)
- 8) T. Hisada, K. Nakagawa and M. Izumi: Comparison of Measured Response of a Building to Micro Tremor with the Response of its Substitutional Mass, Spring and Damper System Calculated by an Electronic Computer, *Trans. AIJ*, **76**, 89-, 1962.9. (in Japanese)
- 9) K. Matsushita, K. Nakajima and M. Izumi: Measurement of Horizontal Load due to Snow Pile, *Trans. AIJ*, **89**, 82-, 1963.9. (in Japanese)
- 10) T. Hisada, K. Nakagawa and M. Izumi: Effect of Vertical Load to Earthquake Response of Buildings, *Trans. AIJ*, **89**, 196-, 1963.9. (in Japanese)
- 11) K. Matsushita and M. Izumi: Study on Reasonable Structural Design of High Rised Buildings (Part 1), *Trans. AIJ*, **103**, 129-, 1964.10. (in Japanese)
- 12) K. Matsushita and M. Izumi: Some Practical Ideas of High Rised Building Construction, *Trans. AIJ*, **103**, 131-, 1964.10. (in Japanese)
- 13) K. Matsushita and M. Izumi: Structural Design of Tall Buildings - Deflection Controlled Elastic Response to Earthquakes, *Trans. AIJ*, **107**, 17-22, 1965.1. (in Japanese)
- 14) H. Mihashi and M. Izumi: A Stochastic Theory for Concrete Fracture - Part I, *Trans. AIJ*, **287**, 1-13, 1980.1. (in Japanese)
- 15) H. Mihashi and M. Izumi: A Stochastic Theory for Concrete Fracture-Part II, *Trans. AIJ*, **288**, 1-12, 1980.2. (in Japanese)
- 16) M. Izumi, H. Mihashi and T. Sasaki: A Study of the Concrete Fracture Mechanism under Uniaxial Compressive Load, *Trans. AIJ*, **289**, 11-25, 1980.3. (in Japanese)
- 17) H. Mihashi and M. Izumi: A Stochastic Theory for Concrete Fracture-Part III, *Trans. AIJ*, **310**, 1-9, 1981.12. (in Japanese)

- 18) M. Izumi, T. Watanabe, H. Katukura and M. Kimura: Response Analysis of Hysteretic Structures under Random Excitation by Markov Chain Model, *Trans. AIJ*, **324**, 18-27, 1983.2. (in Japanese)
- 19) M. Izumi and H. Katukura: A Fundamental Study on Extraction of Phase-Information in Earthquake Motions, *Trans. AIJ*, **327**, 20-28, 1983.5. (in Japanese)
- 20) M. Izumi, K. Ito, H. Katukura and M. Takita: The Application of the Component Mode Method to the Coupling Problems of Structures, *Trans. AIJ*, **329**, 26-35, 1983.7. (in Japanese)
- 21) M. Izumi, K. Ito, H. Katukura, M. Takita and I. Takahashi: Eigenvalue Problems of Multi-Story Structures by the Component Mode Method, *Trans. AIJ*, **333**, 46-54, 1983.11. (in Japanese)
- 22) M. Izumi and M. Kimura: Random Response Analysis of Hysteretic System under Amplitude-Nonstationary Excitation, *Trans. AIJ*, **335**, 15-21, 1984.1. (in Japanese)

Journal of Structural and Construction Engineering (Transactions of AIJ)

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- 1) M. Izumi and M. Kimura: Random Response Analysis of Hysteretic MDOF System to Non-white Excitations, *J. of Structural and Construction Engineering, Trans. AIJ*, **347**, 39-46, 1985.1. (in Japanese)
- 2) M. Izumi, H. Katukura and Y. Hagino: Study on the Simulation of Acceleration Envelopes by Fault Models, *J. of Structural and Construction Engineering, Trans. AIJ*, **348**, 26-32, 1985.2. (in Japanese)
- 3) M. Izumi and H. Mihashi: Damage Mechanisms and Mechanical Behavior of Concrete under Cyclic Loads, *J. of Structural and Construction Engineering, Trans. AIJ*, **359**, 110-116, 1986.1.
- 4) M. Izumi, H. Mihashi and N. Nomura: A Study of Fracture Mechanics of Concrete in Mixed Mode, *J. of Structural and Construction Engineering, Trans. AIJ*, **360**, 17-22, 1986.2. (in Japanese)
- 5) M. Izumi, H. Katukura and S. Ohno: Studies on Separation and Synthesis of Nonstationary Seismic Waves using FFT Technique based on Hyperfunction Theory, *J. of Structural and Construction Engineering, Trans. AIJ*, **390**, 18-26, 1988.8. (in Japanese)

- 6) M. Izumi, H. Katukura and S. Ohno: A Study of Deconvolution of Seismic Waves, *J. of Structural and Construction Engineering, Trans. AIJ*, **390**, 27-33, 1988.8. (in Japanese)
- 7) M. Izumi, H. Mihashi and T. Takahashi: Statistical Properties of the Annual Maximum Snow Depth and a New Approach to Estimate the Return Period Values, *J. of Structural and Construction Engineering, Trans. AIJ*, **390**, 49-58, 1988.8. (in Japanese)
- 8) M. Izumi, Z. Li and H. Katukura: Approach to Stochastic Response Analysis of Piece-wise-linear Hysteretic Structural Systems, *J. of Structural and Construction Engineering, Trans. AIJ*, **390**, 59-69, 1988.8.
- 9) M. Izumi, H. Mihashi and T. Takahashi: Statistical Properties and Regional Characteristics of Annual Maximum Increasing Intensity of Snow Depth, *J. of Structural and Construction Engineering, Trans. AIJ*, **392**, 68-77, 1988.10. (in Japanese)
- 10) M. Izumi, Z. Li, H. Katukura, M. Kimura and K. Kishimoto: Stochastic Response Analysis of Linear System Subjected to Non-gaussian Non-white Noises, *J. of Structural and Construction Engineering, Trans. AIJ*, **393**, 81-91, 1988.11.
- 11) M. Izumi, S. Kurita, T. Hayashida and I. Kogoma: Bearing Mechanism of Building Supporting Piles During Earthquakes, *J. of Structural and Construction Engineering, Trans. AIJ*, **394**, 118-129, 1988.12. (in Japanese)
- 12) M. Izumi, S. Kurita, S. Iizuka, T. Sato and T. Aiba: On the Coherency and the Characteristics of Transfer Functions between Seismic Waves with Instrument Array, *J. of Structural and Construction Engineering, Trans. AIJ*, **395**, 28-39, 1989.1. (in Japanese)
- 13) M. Izumi, Z. Li and M. Kimura: A Stochastic Linearization Technique and its Application to Response Analysis of Nonlinear Systems Based on Weighted Least-Square Minimization, *J. of Structural and Construction Engineering, Trans. AIJ*, **395**, 72-83, 1989.1.
- 14) M. Izumi, S. Kurita, S. Iizuka, T. Sato and T. Aiba: Characteristics of Multi-Dimensional Propagation of Seismic Waves by use of Statistical Analysis, *J. of Structural and Construction Engineering, Trans. AIJ*, **398**, 31-42, 1989.4. (in Japanese)
- 15) M. Izumi and S. Xue: Nonlinear Waves Propagation in Finite Nonlinear Viscoelastic Materials, *J. of Structural and Construction Engineering, Trans. AIJ*, **401**, 47-58, 1989.7.

- 16) M. Izumi, S. Kurita, T. Takahashi and S. Xue: Functional Finite Nonlinear Viscoelastic Constitutive Law, *J. of Structural and Construction Engineering, Trans. AIJ*, **406**, 45–54, 1989.12.
- 17) M. Izumi, S. Kurita, T. Takahashi and S. Xue: Development and Application of Finite Nonlinear Viscoelastic Constitutive Law, *J. of Structural and Construction Engineering, Trans. AIJ*, **407**, 79–86, 1990.1.
- 18) M. Izumi, H. Katukura and J. Tobita: Properties of Ambient Vibration System of Structures, *J. of Structural and Construction Engineering, Trans. AIJ*, **409**, 83–93, 1990.3. (in Japanese)
- 19) M. Izumi, S. Kurita, Y. Endo, J. Tobita and T. Hanzawa: Study on Causality of Transfer Functions and Components of Causal Transfer Functions in Systems of Seismic Wave Propagation in Soil, *J. of Structural and Construction Engineering, Trans. AIJ*, **412**, 31–41, 1990.7. (in Japanese)
- 20) M. Izumi and S. Xue: Nonlinear Wave Propagation in Elastic Continua – Part 1. Nonlinear Wave Propagation in Finite Linear Elastic Continua, *J. of Structural and Construction Engineering, Trans. AIJ*, **414**, 47–54, 1990.8. (in Japanese)
- 21) N. Nomura, H. Mihashi, A. Suzuki and M. Izumi: Mechanism of Brittleness in High Strength Concrete Based on Nonlinear Fracture Mechanism, *J. of Structural and Construction Engineering, Trans. AIJ*, **416**, 9–16, 1990.10. (in Japanese)
- 22) M. Izumi, S. Xue, J. Tobita and T. Hanzawa: Wave Attenuation in Viscoelastic Material with Fading Memory, *J. of Structural and Construction Engineering, Trans. AIJ*, **417**, 101–106, 1990.9. (in Japanese)
- 23) S. Xue, J. Tobita and M. Izumi: Spatial Attenuation of Waves in Elastic Material with Attenuating Neighborhood, *J. of Structural and Construction Engineering, Trans. AIJ*, **437**, 59–63, 1992.7. (in Japanese)
- 24) S. Xue, J. Tobita, C. Qu and M. Izumi: Wave Attenuation in Viscoelastic Material with Fading Memory, Part 2, Memory Functions of Three Dimensional Viscoelastic Material, *J. of Structural and Construction Engineering, Trans. AIJ*, **454**, 59–63, 1993.12. (in Japanese)

Journal of Structural Engineering (AIJ)

- 1) M. Izumi, H. Mihashi, T. Sasaki and T. Takahashi: Fundamental Study on Roof Snow Loads Estimation, *J. of Structural Engineering*, **31B**, 59–72, 1985.3. (in Japanese)

- 2) M. Izumi, H. Mihashi, T. Takahashi and M. Konno: Statistical Properties of the Annual Maximum Snow Cover Depth in Tohoku District, *J. of Structural Engineering*, **31B**, 73– 80, 1985.3. (in Japanese)
- 3) T. Tomabecti, M. Izumi and A. Endo: A Fundamental Study on the Evaluation Method of Roof-snowfall-distributions of Buildings, *J. of Structural Engineering*, **32B**, 49–62, 1986.3. (in Japanese)
- 4) M. Izumi, S. Kurita, S. Iizuka, K. Iwashita and T. Satoh: Characteristics of Seismic Wave Propagation with Vertical Instrument Arrays, *J. of Structural Engineering*, **32B**, 63–72, 1986.3. (in Japanese)
- 5) M. Izumi, Z. Li, K. Kishimoto and H. Katukura: A Modified Stochastic Linearization Technique to Random Response Analysis of Nonlinear Structural Model, *J. of Structural Engineering*, **34B**, 59–72, 1988.3.
- 6) M. Izumi S. Kurita, T. Aiba and T. Miyamoto: Fundamental Study on Cross-Correlation Functions of Analytical Signals in Elastic Wave Propagation Problems, *J. of Structural Engineering*, **35B**, 177–184, 1989.3. (in Japanese)
- 7) M. Izumi and S. Xue: Nonlinear Wave Propagation in Finite Linear Elastic Continuum, *J. of Structural Engineering*, **36B**, 119–130, 1990.3.
- 8) S. Xue, K. Katayama, Y. Sugimura and M. Izumi: Wave Propagation in Pile Considering Radial 'Displacement-Part 1. Analytical Study on Wave Propagation Along a Linear Elastic Pile, *J. of Structural Engineering*, **37B**, 71–76, 1991.3. (in Japanese)
- 9) S. Xue, T. Hanzawa, J. Tobita and M. Izumi: Attenuation of Viscoelastic Wave based on Fading Memory Theory, *J. of Structural Engineering*, **37B**, 77–86, 1991.3. (in Japanese)
- 10) J. Miyakoshi, S. Xue, J. Tobita, Y. Sugimura and M. Izumi: Active Vibration Control of Building using Fuzzy Control Method – Membership Functions for Optimal Fuzzy Control, *J. of Structural Engineering*, **38B**, 1992.3. (in Japanese)
- 11) K. Goto, S. Xue, J. Tobita, J. Miyakoshi, M. Yamada and M. Izumi: Active Vibration Control using Fuzzy Control Theory – Determination of Membership Function of Time Dependence, *J. of Structural Engineering*, **40B**, 1994.3. (in Japanese) (to be printed)
- 12) M. Izumi, C. Qu, S. Kurita, S. Xue and J. Tobita: Determinatin of Memory Function using Recursive Evaluation, *J. of Structural Engineering*, **40B**, 1994.3. (in Japanese) (to be printed)

Journal of Snow Engineering

- 1) M. Izumi, H. Mihashi and T. Takahashi: Formation Process of Design Snow Load, *J. of Snow Engineering*, **5**(3), 3–13, 1989.9. (in Japanese)

Cement and Concrete Research

- 1) H. Mihashi and M. Izumi: A Stochastic Theory for Concrete Fracture, *Cement and Concrete Research*, **7**, 411–422, 1977.
- 2) N. Nomura, H. Mihashi and M. Izumi: Correlation of Fracture Process Zone and Tension Softening Behavior in Concrete, *Cement and Concrete Research*, **21**, 545–550, 1991.

Transactions of the Japan Concrete Institute

- 1) H. Mihashi and M. Izumi: A Stochastic Theory for Fatigue Fracture of Concrete, *Trans. JCI*, **2**, 203–210, 1980.

b. Papers in Books

- 1) M. Izumi, H. Mihashi and N. Nomura: Acoustic Emission Technique to Evaluate Fracture Mechanics Parameters of Concrete, *Fracture Toughness and Fracture Energy of Concrete*, F. H. Wittmann (ed.), Elsevier Applied Science, 259–268, 1986.
- 2) M. Izumi, H. Mihashi and N. Nomura: Fracture Toughness of Concrete for Mode II, *Fracture Toughness and Fracture Energy of Concrete*, F. H. Wittmann (ed.), Elsevier Applied Science, 347–354, 1986.
- 3) H. Mihashi, N. Nomura and M. Izumi: Influence of Matrix Strength and Gravel Grain Size of Fracture Properties of Concrete, *Fracture of Concrete and Rock—Recent Developments*, S. P. Shah et al. (eds.), Elsevier Applied Science, 503–512, 1989.9.
- 4) H. Mihashi, N. Nomura and M. Izumi: Influence of Internal Structure on Tension Softening and Fracture Energy of Concrete, *Fracture Toughness and Fracture Energy*, H. Mihashi et al. (eds.), Balkema, 87–100, 1989.11.
- 5) N. Nomura, H. Mihashi and M. Izumi: Numerical Analysis of Crack Extension Process of Concrete, *Fracture Toughness and Fracture Energy*, H. Mihashi et al. (eds.), Balkema, 423–432, 1989.11.
- 6) N. Nomura H. Mihashi and M. Izumi: Properties of Fracture Process Zone and Tension Softening Behavior of Concrete, *Fracture Processes in Concrete, Rock and Ceramics*, J. G. M. van Mier et al. (eds.), 51–60, 1991.6.

- 7) H. Mihashi, N. Nomura, M. Izumi and F. H. Wittmann: Size Dependence of Fracture Energy of Concrete, *Fracture Processes in Concrete, Rock and Ceramics*, J. G. M. van Mier et al. (eds.), 441–450, 1991.6.

c. Presentations at Conferences

World Conference on Earthquake Engineering

- 1) K. Matsushita and M. Izumi: Some Analyses on Mechanisms to Decrease Seismic Force Applied to Buildings, *Proc. 3rd WCEE*, vol. III, session N, 342–359, 1965.2, New Zealand.
- 2) K. Matsushita and M. Izumi: Deflection Controlled Elastic Response of Buildings and Methods to Decrease the Effect of Earthquake Forces Applied to Buildings, *Proc. 3rd WCEE*, 1965, New Zealand.
- 3) K. Matsushita and M. Izumi: Studies on Mechanisms to Decrease Earthquake Force Applied to Buildings, *Proc. 4th WCEE*, vol. II, session B-3, 117–129, 1969, Chile.
- 4) K. Matsushita, M. Izumi, K. Hsu and I. Sakamoto: Factors to be Considered in Calculating the Input Earthquake Force to Buildings, *Proc. 4th WCEE*, vol. II, session B-5, 29–40, 1969, Chile.
- 5) K. Matsushita and M. Izumi: Some Analyses on Mechanisms to Decrease Earthquake Effects to Building Structures – Part 2, *Proc. 4th WCEE*, 1969, Chile.
- 6) K. Matsushita and M. Izumi: Application of Input Controlling Mechanisms to Structural Design of Tall Building, *Proc. 5th WCEE*, 1973, Rome.
- 7) K. Matsushita, M. Izumi and H. Ide: Some Analyses on Mechanisms to Decrease Earthquake Effects to Building Structures – Part 4. Steel Dampers, *Proc. 6th WCEE*, vol.5, 135–140, 1977, New Delhi.
- 8) M. Izumi, T. Watanabe and H. Katukura: Interrelations of Fault Mechanisms, Phase Inclinations and Nonstationarities of Seismic Waves, *Proc. 7th WCEE*, vol.1, 89–96, 1980.9, Istanbul.
- 9) K. Matsushita, M. Izumi, H. Mihashi, T. Sasaki and N. Nomura: Some Analyses on Mechanisms to Decrease Earthquake Effects to Building Structures – Part 7. Steel Dampers for Tall Buildings, **Proc. 7th WCEE**, vol.7, 197–200, 1980.9, Istanbul.
- 10) H. Katukura, T. Watanabe and M. Izumi: A Study on the Fourier Analysis of Nonstationary Seismic Waves, *Proc. 8th WCEE*, vol.2, 525–532, 1984.7, San–Francisco.

- 11) M. Takita, M. Izumi, K. Ito and H. Katukura: A Study on Modal Coupling Analysis of Structures by the Component Mode Method, *Proc. 8th WCEE*, vol.4, 411–418, 1984.7, San–Francisco.
- 12) K. Ito, M. Izumi, H. Katukura and M. Takita: A Study on Application of the Component Mode Method to the Structures Constructed from Components with Different Damping, *Proc. 8th WCEE*, vol.4, 419–426, 1984.7, San–Francisco.
- 13) S. Kurita, M. Izumi, S. Iizuka, T. Sato and T. Aiba: Statistical Characteristics of Seismic Wave Propagation in Soil with Vertical Instruments Array, *Proc. 9th WCEE*, vol. II , 515–520, 1988.8, Tokyo–Kyoto.
- 14) H. Katukura, S. Ohno and M. Izumi: Studies on Separation and Synthesis of Nonstationary Seismic Waves Using FFT Technique Based on Hyperfunction Theory, *Proc. 9th WCEE*, vol. II , 789–794, 1988.8, Tokyo–Kyoto.
- 15) Z. Li, M. Izumi and H. Katukura: A Direct Construction of Seismic Response Analysis for Hysteretic System, *Proc. 9th WCEE*, vol. V , 277–282, 1988.8, Tokyo–Kyoto.
- 16) J. Tobita, M. Izumi and H. Katukura: Identification of Vibration Systems and Nonlinear Dynamic Characteristics of Structures under Earthquake Excitations, *Proc. 9th WCEE*, vol. V , 337–342, 1988.8, Tokyo–Kyoto.
- 17) M. Izumi and H. Yamahara: Comparisons Between Earthquake Response Characteristics of Base–Isolated and ordinary Building, *Proc. 9th WCEE*, vol. V , 687–692, 1988.8, Tokyo–Kyoto.
- 18) M. Izumi: Base Isolation and Passive seismic Response Control, *Proc. 9th WCEE*, vol. VIII , 385–396, 1988.8, Tokyo–Kyoto.
- 19) S. Xue, J. Tobita, T. Hanzawa and M. Izumi: Attenuation of Waves in Ground with Fading Memory, *Proc. 10th WCEE*, vol.2, 679–684, 1992.7, Madrid.

Japan Earthquake Engineering Symposium

- 1) T. Hisada, K. Nakagawa and M. Izumi: Earthquake Response of Structures Having Various Restoring Characteristics, *Proc. JEES*, 1962.

Structural Mechanics in Reactor Technology

- 1) T. Nasuda, K. Akino and M. Izumi: Embedment Effect Test on Soil-Structure Interaction, *Proc. 11th SMiRT*, **vol.K1**, 111-116, 1991.8.
- 2) R. Shohara, A. Mita, M. Izumi and K. Akino: Laboratory Model Tests with Silicone Rubber Ground Model (Embedment Effect Test on Soil-Structure Interaction), *Proc. 11th SMiRT*, **vol.K1**, 117-122, 1991.8.
- 3) K. Moriyama, H. Hibino, M. Izumi and Y. Kiya: Comparison Between Tests and Analyses for Ground-Foundation Models (Embedment Effect Test on Soil-Structure Interaction), *Proc. 11th SMiRT*, **vol.K1**, 123-128, 1991.8.
- 4) T. Kobayashi, A. Fukuoka, M. Izumi, Y. Miyamoto, Y. Ohtsuka and T. Nasuda: Forced Vibration Test on Large Scale Model on Soft Rock Site (Embedment Effect Test on Soil-Structure Interaction), *Proc. 11th SMiRT*, **vol.K1**, 129-134, 1991.8.
- 5) T. Inukai, T. Imazawa, M. Izumi and M. Yamamoto: Forced Vibration Test on Large Scale Model on Hard Rock Site (Embedment Effect Test on Soil-Structure Interaction), *Proc. 11th SMiRT*, **vol.K1**, 135-140, 1991.8.
- 6) T. Fujimori, T. Tsunoda, M. Izumi and K. Akino: Experimental Study of Hardness of Supporting Ground (Embedment Effect Test on Soil-Structure Interaction), *Proc. 11th SMiRT*, **vol.K1**, 141-146, 1991.8.

Other international conferences

- 1) M. Izumi, H. Mihashi and N. Nomura: Acoustic Emission Behavior in the Double Cantilever Beam Fracture Test of Concrete, *Proc. 7th International Acoustic Emission Symposium*, 570-577, 1984.10.
- 2) M. Izumi, S. Kurita and J. Tobita: Measured Earthquake Response of Base-Isolated Buildings in Japan and Some Related Analyses, *International Meeting on Base Isolation and Passive Energy Dissipation*, 1989.6., Assisi, Italy
- 3) M. Izumi, H. Mihashi and T. Takahashi: Statistical Properties of the Annual Maximum Series and a New Approach to Estimate the Extreme Values for Long Return Periods, *Proc. 1st International Conference on Snow Engineering*, 25-34, 1989.7.
- 4) H. Mihashi, T. Takahashi and M. Izumi: Wind Effect on Snow Loads, *Proc. 1st International Conference on Snow Engineering*, 158-167, 1989.7.

- 5) J. Tobita and M. Izumi: Earthquake Response Characteristics of Two different Types of Base-isolated buildings Directly Comparing with a Non-isolated One, *Proc. 3rd East Asia-Pacific Conference on structural Engineering and Construction*, **vol.1**, 729–734, 1991.4, Shanghai, P. R. China.

