



Professor Yoshihiro Narita

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Faculty of Engineering, Division of Human Mechanical Systems and Design
Hokkaido University, Japan

Education:

1976 Graduate School, Division of Engineering, Hokkaido University

1980 Graduate School, Division of Engineering, Hokkaido University

1974 Faculty of Engineering, Hokkaido University

Academic & Professional Experience:

1980-1985 Lecturer, Computer Center, Hokkaido Institute of Technology

1985-1991 Associate Professor

1991-present Professor

Awards & Honors:

2008 Division award for international contribution, JSME

Research Interests:

Composite Structures(9) , Optimum Design(17) , Systems Engineering(42) , Computational Mechanics(103) , Engineering Education(24)

Selected Publications:

Free Vibration of a Rectangular Plate supported at Boundary and Internal Line Segments, Transaction of JSME 43(365) 95-104 1977

Free vibration of clamped plates, Transaction of JSME 44(380) 1196-1204 1978

Leissa, A. W. and Narita, Y. (1984). Vibration of Completely Free Shallow Shells of Rectangular Planform. Journal of Sound and Vibration, 96(2):207–218

A Method for Vibration Analysis of Circular Plates under Nonuniform Inplane Loading, Yoshihiro NARITA Transaction of JSME, Ser.C 51(462C) 240-247 1985

Vibration Analysis of Antenna Structural Elements (2nd Report, Deployable Antenna for Communication Satellite), Yoshihiro NARITA, Transaction of JSME, Ser.C 52(473C) 288-293 1986

Vibration Analysis of Antenna Structural Elements (2nd Report, Point-supported Shallow Shell of Elliptical Planform, Transaction of JSME, Ser.C 52(473C) 55-60 1986

Narita, Y. and Leissa, A.W. (1990), Buckling studies for simply supported symmetrically laminated rectangular plates ,International Journal of Mechanical Science, 32 (11): 909-924

Yoshihiro Narita and Xilu Zhao (Department of Mechanical Engineering, Hokkaido Institute of Technology, 7-15 Maeda, Teine, Sapporo 006, Japan), “An optimal design for the maximum fundamental frequency of laminated shallow shells”, International Journal of Solids and Structures, Vol. 35, No. 20, July 1998, pp. 2571-2583, doi:10.1016/S0020-7683(97)00179-0

Narita, Y., “Layerwise Optimization for the Maximum Fundamental Frequency of Laminated Composite Plates,” Journal of Sound and Vibration, Vol. 263, No. 5, June 2003, pp. 1005–1016. doi:10.1016/S0022-460X(03)00270-0

Narita, Y. and Turvey, G. J. "Maximizing the buckling loads of symmetrically laminated composite rectangular plates using a layerwise optimization approach". Proceedings of the Institution of Mechanical Engineers, Vol. 218 Part C, No. 7, pp 681-691, 2004