

**INTERNATIONAL JOURNAL OF STRUCTURAL
STABILITY AND DYNAMICS**
Vol. 11, No. 6 (December 2011)

CONTENTS

A Novel Technique for Nonlinear Analysis of Beams on Two-Parameter Elastic Foundations

H.-S. Shen 999

Buckling of Composite Nonlocal or Gradient Connected Beams

N. Challamel, I. Mechab, N. El Meiche and B. Krour 1015

Examination of Cylindrical Shell Theories for Buckling of Carbon Nanotubes

*C. M. Wang, Z. Y. Tay, A. N. R. Chowdhuary, W. H. Duan,
Y. Y. Zhang and N. Silvestre* 1035

Stability and Dynamic Analysis of Cold-Formed Storage Rack Structures with Semirigid Connections

K. K. Sangle, K. M. Bajoria and R. S. Talicotti 1059

Controlled Synchronization for Master-Slave Manipulators Based on Observed Ender Trajectory

Q. Han 1089

Dynamics Analysis of High-Speed Railway Vehicles Excited by Wind Loads

Y.-C. Cheng, C.-H. Chen and C.-J. Yang 1103

Analytic Solutions to the Oscillatory Behavior and Primary Resonance of Electrostatically Actuated Microbridges

M. Mojahedi, M. M. Zand, M. T. Ahmadian and M. Babaei 1119

Integrated Structural Optimization and Vibration Control for Improving Wind-Induced Dynamic Performance of Tall Buildings

M. F. Huang, K. T. Tse, C. M. Chan and W. J. Lou 1139

Nonlinear Wind-Resistant Design Method for Cable Net Façades

R.-Q. Feng, J. Ye, Y. Wu and S.-Z. Shen 1163

(Continued)

Covered in: Science Citation Index Expanded,
Current Contents[®]/Engineering, Computing and Technology,
ISI Alerting Services, and Compendex.

CONTENTS — (*Continued*)

Dynamic Characteristics of the Kao Ping Hsi Bridge Under Seismic Loading with Focus on Cable Simulation <i>M.-Y. Liu, L.-C. Lin and P.-H. Wang</i>	1179
Influence of High Initial Isolator Stiffness on the Seismic Response of a Base-Isolated Benchmark Building <i>A. Sharma and R. S. Jangid</i>	1201
Author Index	1229