

August 2012

Volume 138, Issue 8, pp. 915-1058

SELECTED: | [Export Citations](#) | [Show/Hide Abstracts](#) | [Add to MyArticles](#) | [Email](#)
 0 | [View](#) 

Select All

TECHNICAL PAPERS

TOP 

- Automatic Directing System for Controlling the Vibration of Frame Structures in Any Horizontal Direction Using a Hybrid Mass Damper**
 Giovanni Loureiro França de Mendonça, Simplicio Arnaud da Silva, Roberto Leal Pimentel, and Cícero da Rocha Souto
 J. Eng. Mech. 138(8), 915-922 (2012);
[http://dx.doi.org/10.1061/\(ASCE\)EM.1943-7889.0000368](http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000368)
 Online Publication Date: 12 Dec 2011
[Abstract](#) | [Full Text HTML](#) | [References](#) | [PDF \(1002 KB\)](#) | [Permissions](#)
 + Show Abstract
- Dynamic Behavior of Slab Tracks on Homogeneous and Layered Soils and the Reduction of Ground Vibration by Floating Slab Tracks**
 L. Auersch
 J. Eng. Mech. 138(8), 923-933 (2012);
[http://dx.doi.org/10.1061/\(ASCE\)EM.1943-7889.0000407](http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000407)
 | Cited 1 time
 Online Publication Date: 20 Jan 2012
[Abstract](#) | [Full Text HTML](#) | [References](#) | [PDF \(1641 KB\)](#) | [Permissions](#)
 + Show Abstract
- Adaptive Configuration Tuned Mass Damper for Mitigation of Rotational Vibrations**
 R. Mohammadi-Ghazi, A. K. Ghorbani-Tanha, and M. Rahimian
 J. Eng. Mech. 138(8), 934-944 (2012);
[http://dx.doi.org/10.1061/\(ASCE\)EM.1943-7889.0000400](http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000400)
 | Cited 1 time
 Online Publication Date: 5 Jan 2012
[Abstract](#) | [Full Text HTML](#) | [References](#) | [PDF \(919 KB\)](#) | [Permissions](#)
 + Show Abstract
- Some Qualitative Properties of the Vibration Modes of the Continuous System of a Beam with One or Two Overhangs**
 Qishen Wang, Dajun Wang, Min He, Lihua Zhang, and Huafeng Qian
 J. Eng. Mech. 138(8), 945-952 (2012);
[http://dx.doi.org/10.1061/\(ASCE\)EM.1943-7889.0000398](http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000398)
 | Cited 2 times
 Online Publication Date: 27 Dec 2011
[Abstract](#) | [Full Text HTML](#) | [References](#) | [PDF \(398 KB\)](#) | [Permissions](#)
 + Show Abstract
- Experimental and Analytical Investigation of Service-Load Stresses in Cellular Beams**
 J. R. Yost, D. W. Dinehart, R. M. Hoffman, S. P. Gross, and M. Callow
 J. Eng. Mech. 138(8), 953-962 (2012);
[http://dx.doi.org/10.1061/\(ASCE\)EM.1943-7889.0000405](http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000405)
 Online Publication Date: 12 Jan 2012

[Abstract](#) | [Full Text HTML](#) | [References](#) | [PDF \(1539 KB\)](#) | [Permissions](#)

+ Show Abstract

Overturning of Retrofitted Rocking Structures under Pulse-Type Excitations

[Elias G. Dimitrakopoulos](#) and [Matthew J. DeJong](#)

J. Eng. Mech. 138(8), 963-972 (2012) ;

[http://dx.doi.org/10.1061/\(ASCE\)EM.1943-7889.0000410](http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000410)

| Cited **6** times

Online Publication Date: 11 Feb 2012

[Abstract](#) | [Full Text HTML](#) | [References](#) | [PDF \(1506 KB\)](#) | [Permissions](#)

+ Show Abstract

Free-Edge Interlaminar Stress Analysis of Composite Laminates Using Interface Modeling

[Heung Soo Kim](#), [Jaehun Lee](#), and [Maenghyo Cho](#)

J. Eng. Mech. 138(8), 973-983 (2012) ;

[http://dx.doi.org/10.1061/\(ASCE\)EM.1943-7889.0000399](http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000399)

| Cited **2** times

Online Publication Date: 27 Dec 2011

[Abstract](#) | [Full Text HTML](#) | [References](#) | [PDF \(1080 KB\)](#) | [Permissions](#)

+ Show Abstract

Similarity Shapes of a Fully Liquid-Filled Membrane on an Incline

[Yoon Rak Choi](#) and [Solomon C. Yim](#)

J. Eng. Mech. 138(8), 984-996 (2012) ;

[http://dx.doi.org/10.1061/\(ASCE\)EM.1943-7889.0000411](http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000411)

Online Publication Date: 13 Feb 2012

[Abstract](#) | [Full Text HTML](#) | [References](#) | [PDF \(1193 KB\)](#) | [Permissions](#)

+ Show Abstract

Solving Dynamical Systems Involving Piecewise Restoring Force Using State Event Location

[Joseph P. Wright](#) and [Jin-Song Pei](#)

J. Eng. Mech. 138(8), 997-1020 (2012) ;

[http://dx.doi.org/10.1061/\(ASCE\)EM.1943-7889.0000404](http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000404)

| Cited **1** time

Online Publication Date: 16 Jul 2012

[Abstract](#) | [Full Text HTML](#) | [References](#) | [PDF \(3018 KB\)](#) | [Permissions](#)

+ Show Abstract

Large Deflection Analysis of Plates Stiffened by Parallel Beams with Deformable Connection

[E. J. Sapountzakis](#) and [I. C. Dikaros](#)

J. Eng. Mech. 138(8), 1021-1041 (2012) ;

[http://dx.doi.org/10.1061/\(ASCE\)EM.1943-7889.0000402](http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000402)

| Cited **2** times

Online Publication Date: 9 Jan 2012

[Abstract](#) | [Full Text HTML](#) | [References](#) | [PDF \(7559 KB\)](#) | [Permissions](#)

+ Show Abstract

TECHNICAL NOTES

TOP 

Fluid Flow between a Nonsinusoidal Wavy Surface and a Plane

[Donald D. Gray](#)

J. Eng. Mech. 138(8), 1042-1044 (2012) ;

[http://dx.doi.org/10.1061/\(ASCE\)EM.1943-7889.0000401](http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000401)

Online Publication Date: 16 Jul 2012

[Abstract](#) | [Full Text HTML](#) | [References](#) | [PDF \(350 KB\)](#) | [Erratum](#) | [Permissions](#)

+ Show Abstract

Analytical Solution for One-Dimensional Solute Dispersion with Time-Dependent Source Concentration along Uniform Groundwater Flow in a Homogeneous Porous Formation

[Mritunjay Kumar Singh](#), [Shafique Ahamad](#), and [Vijay P. Singh](#)

J. Eng. Mech. 138(8), 1045-1056 (2012);

[http://dx.doi.org/10.1061/\(ASCE\)EM.1943-7889.0000384](http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000384)

| Cited 1 time

Online Publication Date: 14 Dec 2011

[Abstract](#) | [Full Text HTML](#) | [References](#) | [PDF \(587 KB\)](#) | [Permissions](#)

+ Show Abstract

DISCUSSIONS AND CLOSURES

TOP 

Discussion of “Feasibility Test of Adaptive Passive Control System Using MR Fluid Damper with Electromagnetic Induction Part” by Hyung-Jo Jung, Dong-Doo Jang, Heon-Jae Lee, In-Won Lee, and Sang-Won Cho
[Zhi-hao Wang](#)

J. Eng. Mech. 138(8), 1057-1057 (2012);

[http://dx.doi.org/10.1061/\(ASCE\)EM.1943-7889.0000266](http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000266)

Online Publication Date: 16 Jul 2012

[Citation](#) | [Full Text HTML](#) | [References](#) | [PDF \(40 KB\)](#) | [Permissions](#)

ERRATA

TOP 

Erratum for “Complementary Energy Based Formulation for Torsional Buckling of Columns” by R. Emre Erkmen, Magdi Mohareb, and Mark A. Bradford



[R. Emre Erkmen](#), [Magdi Mohareb](#), and [Mark A. Bradford](#)

J. Eng. Mech. 138(8), 1058-1058 (2012);

[http://dx.doi.org/10.1061/\(ASCE\)EM.1943-7889.0000429](http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000429)

Online Publication Date: 16 Jul 2012

[Citation](#) | [Full Text HTML](#) | [PDF \(25 KB\)](#) | [Permissions](#) | [Original Article](#)