

January 2010

Volume 136, Issue 1, pp. 1-130

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

Select All

TECHNICAL PAPERS

TOP 

- Estimation of Maximum Roof Displacement Demands in Regular Multistory Buildings**
 Yu-Yuan Lin and Eduardo Miranda
 J. Eng. Mech. 136(1), 1-11 (2010);
[http://dx.doi.org/10.1061/\(ASCE\)0733-9399\(2010\)136:1\(1\)](http://dx.doi.org/10.1061/(ASCE)0733-9399(2010)136:1(1))
 | Cited 1 time
 Online Publication Date: 15 Dec 2009
[Abstract](#) | [Full Text HTML](#) | [References](#) | [PDF \(1592 KB\)](#) | [Permissions](#)
 + Show Abstract
- Multivariate Statistical Approach to Structural Damage Detection**
 Zengrong Wang and K. C. G. Ong
 J. Eng. Mech. 136(1), 12-22 (2010);
[http://dx.doi.org/10.1061/\(ASCE\)0733-9399\(2010\)136:1\(12\)](http://dx.doi.org/10.1061/(ASCE)0733-9399(2010)136:1(12))
 | Cited 2 times
 Online Publication Date: 15 Dec 2009
[Abstract](#) | [Full Text HTML](#) | [References](#) | [PDF \(690 KB\)](#) | [Permissions](#)
 + Show Abstract
- Externally Reinforced Welded I-Beam-to-Box-Column Seismic Connection**
 Rupen Goswami and C. V. R. Murty
 J. Eng. Mech. 136(1), 23-30 (2010);
[http://dx.doi.org/10.1061/\(ASCE\)0733-9399\(2010\)136:1\(23\)](http://dx.doi.org/10.1061/(ASCE)0733-9399(2010)136:1(23))
 | Cited 1 time
 Online Publication Date: 15 Dec 2009
[Abstract](#) | [Full Text HTML](#) | [References](#) | [PDF \(922 KB\)](#) | [Permissions](#)
 + Show Abstract
- Load Vectors for Damage Location in Systems Identified from Operational Loads**
 Dionisio Bernal
 J. Eng. Mech. 136(1), 31-39 (2010);
[http://dx.doi.org/10.1061/\(ASCE\)EM.1943-7889.0000067](http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000067)
 | Cited 9 times
 Online Publication Date: 22 Jun 2009
[Abstract](#) | [Full Text HTML](#) | [References](#) | [PDF \(264 KB\)](#) | [Permissions](#)
 + Show Abstract
- Problems with Hu-Duan Boundary Effect Model and Its Comparison to Size-Shape Effect Law for Quasi-Brittle Fracture**
 Qiang Yu, Jia-Liang Le, Christian G. Hoover, and Zdeněk P. Bažant
 J. Eng. Mech. 136(1), 40-50 (2010);
[http://dx.doi.org/10.1061/\(ASCE\)EM.1943-7889.89](http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.89)
 | Cited 16 times
 Online Publication Date: 15 Dec 2009
[Abstract](#) | [Full Text HTML](#) | [References](#) | [PDF \(1355 KB\)](#) | [Permissions](#)

+ Show Abstract

- Nonlinear Unified Strength Criterion for Concrete under Three-Dimensional Stress States**
Xiu-Li Du, De-Chun Lu, Qiu-Ming Gong, and Mi Zhao
J. Eng. Mech. 136(1), 51-59 (2010) ;
[http://dx.doi.org/10.1061/\(ASCE\)EM.1943-7889.0000055](http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000055)
| Cited **6** times
Online Publication Date: 2 May 2009
[Abstract](#) | [Full Text HTML](#) | [References](#) | [PDF \(894 KB\)](#) | [Permissions](#)

+ Show Abstract

- Mechanism behind the Size Effect Phenomenon**
Xiaozhi Hu and Kai Duan
J. Eng. Mech. 136(1), 60-68 (2010) ;
[http://dx.doi.org/10.1061/\(ASCE\)EM.1943-7889.0000070](http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000070)
| Cited **10** times
Online Publication Date: 15 Dec 2009
[Abstract](#) | [Full Text HTML](#) | [References](#) | [PDF \(240 KB\)](#) | [Permissions](#)

+ Show Abstract

- Multiple Scales Solution for a Beam with a Small Bending Stiffness**
V. Denoël and E. Detournay
J. Eng. Mech. 136(1), 69-77 (2010) ;
[http://dx.doi.org/10.1061/\(ASCE\)EM.1943-7889.0000059](http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000059)
| Cited **4** times
Online Publication Date: 15 May 2009
[Abstract](#) | [Full Text HTML](#) | [References](#) | [PDF \(226 KB\)](#) | [Permissions](#)

+ Show Abstract

- Laboratory Study of Unidirectional Focusing Waves in Intermediate Depth Water**
Yuxiang Ma, Guohai Dong, Shuxue Liu, Jun Zang, Jinxuan Li, and Yiyan Sun
J. Eng. Mech. 136(1), 78-90 (2010) ;
[http://dx.doi.org/10.1061/\(ASCE\)EM.1943-7889.0000076](http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000076)
| Cited **6** times
Online Publication Date: 1 Aug 2009
[Abstract](#) | [Full Text HTML](#) | [References](#) | [PDF \(1653 KB\)](#) | [Permissions](#)

+ Show Abstract

- Efficient Model Correction Method with Modal Measurement**
Ka-Veng Yuen
J. Eng. Mech. 136(1), 91-99 (2010) ;
[http://dx.doi.org/10.1061/\(ASCE\)EM.1943-7889.0000068](http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000068)
| Cited **4** times
Online Publication Date: 22 Jun 2009
[Abstract](#) | [Full Text HTML](#) | [References](#) | [PDF \(413 KB\)](#) | [Permissions](#)

+ Show Abstract

- Structural Reliability Estimation with Vibration-Based Identified Parameters**
Serdar Soyoz, Maria Q. Feng, and Masanobu Shinozuka
J. Eng. Mech. 136(1), 100-106 (2010) ;
[http://dx.doi.org/10.1061/\(ASCE\)EM.1943-7889.0000066](http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000066)
| Cited **6** times
Online Publication Date: 22 Jun 2009
[Abstract](#) | [Full Text HTML](#) | [References](#) | [PDF \(327 KB\)](#) | [Permissions](#)

+ Show Abstract

Practical Formulas for Frequency Domain Analysis of Earthquake-Induced Dam-Reservoir Interaction

Najib Bouaanani and Charles Perrault

J. Eng. Mech. 136(1), 107-119 (2010);

[http://dx.doi.org/10.1061/\(ASCE\)EM.1943-7889.0000064](http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000064)

| Cited **3** times

Online Publication Date: 6 Jun 2009

[Abstract](#) | [Full Text HTML](#) | [References](#) | [PDF \(1835 KB\)](#) | [Permissions](#)

+ Show Abstract

Vibration Analysis of an Elastic Beam Subjected to a Moving Beam with Flexible Connections

Zhang Tao and Zheng Gang-Tie

J. Eng. Mech. 136(1), 120-130 (2010);

[http://dx.doi.org/10.1061/\(ASCE\)EM.1943-7889.0000063](http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000063)

| Cited **1** time

Online Publication Date: 29 May 2009

[Abstract](#) | [Full Text HTML](#) | [References](#) | [PDF \(505 KB\)](#) | [Permissions](#)

+ Show Abstract