November 2012

Volume 138, Issue 11, pp. 1303-1399

SELECTED: | Export Citations | Show/Hide Abstracts | Add to MyArticles | Email 0 View Select All

TECHNICAL PAPERS

TOP 1

Performance and Application of Equivalent Force Control Method for Real-**Time Substructure Testing**

Bin Wu, Guoshan Xu, Yan Li, P. Benson Shing, and Jinping Ou

J. Eng. Mech. 138(11), 1303-1316 (2012);

http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000445

| Cited 2 times

Online Publication Date: 31 Mar 2012

Abstract | Full Text HTML | References | PDF (2295 KB) | Permissions

+ Show Abstract

Discrete Rotation in RC Beams

M. S. Mohamed Ali, D. J. Oehlers, M. Haskett, and M. C. Griffith

J. Eng. Mech. 138(11), 1317-1325 (2012);

http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000436

| Cited 5 times

Online Publication Date: 24 Mar 2012

Abstract | Full Text HTML | References | PDF (920 KB) | Permissions

+ Show Abstract

Interval Analysis for System Identification of Linear MDOF Structures in the Presence of Modeling Errors

M. Q. Zhang, M. Beer, and C. G. Koh

J. Eng. Mech. 138(11), 1326-1338 (2012);

http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000433

| Cited 2 times

Online Publication Date: 15 Oct 2012

Abstract | Full Text HTML | References | PDF (618 KB) | Permissions

+ Show Abstract

Hierarchical Structures for a Robustness-Oriented Capacity Design

E. Masoero, F. K. Wittel, H. J. Herrmann, and B. M. Chiaia

J. Eng. Mech. 138(11), 1339-1347 (2012);

http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000437

| Cited 1 time

Online Publication Date: 28 Mar 2012

Abstract | Full Text HTML | References | PDF (1262 KB) | Permissions

+ Show Abstract

New Methodology to Obtain Exact Solutions of Orthotropic Plane Beam **Subjected to Arbitrary Loads**

Lang Zhang, Puyun Gao, and Dongxu Li

J. Eng. Mech. 138(11), 1348-1356 (2012);

http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000438

Online Publication Date: 28 Mar 2012

Abstract | Full Text HTML | References | PDF (227 KB) | Permissions

+ Show Abstract

Modeling Failure of Bitumen Films in Tension

O. Portillo and D. Cebon

J. Eng. Mech. 138(11), 1357-1371 (2012);

http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000417

| Cited 3 times

Online Publication Date: 18 Feb 2012

Abstract | Full Text HTML | References | PDF (2540 KB) | Permissions

+ Show Abstract

Model for Early-Age Rate of Evaporation of Cement-Based Materials

M. Bakhshi, B. Mobasher, and M. Zenouzi

J. Eng. Mech. 138(11), 1372-1380 (2012);

http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000435

I Cited 1 time

Online Publication Date: 24 Mar 2012

Abstract | Full Text HTML | References | PDF (510 KB) | Permissions

+ Show Abstract

Analytical Description of Pinching, Degrading, and Sliding in a Bilinear **Hysteretic System**

Mehran Zeynalian, H. R. Ronagh, and P. Dux

J. Eng. Mech. 138(11), 1381-1387 (2012);

http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000442

Online Publication Date: 28 Mar 2012

Abstract | Full Text HTML | References | PDF (1015 KB) | Supplemental

Material | Permissions

+ Show Abstract

Boundary Layer Solutions Induced by Displacement Boundary Conditions of Shear Deformable Beams and Accuracy Study of Several Higher-Order **Beam Theories**

X. D. Wang and G. Shi,

J. Eng. Mech. 138(11), 1388-1399 (2012);

http://dx.doi.org/10.1061/(ASCE)EM.1943-7889.0000440

| Cited 4 times

Online Publication Date: 28 Mar 2012

Abstract | Full Text HTML | References | PDF (749 KB) | Permissions

+ Show Abstract