

JOURNAL OF

Engineering Mechanics

AUGUST 2019 · VOLUME 145 · ISSUE 8

Contents

PUBLICATIONS

Angela Cochran, Managing
Director and Publisher

EDITORIAL DEPARTMENT

Dana Compton, Editorial Director

Kelly Anderson, Executive Editor

Holly Koppel,
Senior Managing Editor,
Peer Review

Jennifer Chapman, Managing Editor

Patricia Jones Kershaw, Managing Editor

Taryn Dollings,

Manager, Journal Systems

Candice Gooch,
Senior Editorial Coordinator

Laurie Hertneky, Senior Coordinator, Publications

PRODUCTION DEPARTMENT

Maxine Aldred, Director

Heather DiAngelis, Manager

Katie Thacher, Senior Production Editor

Laura M. Ansley, Production Editor

Michele Esposito, Production Editor

Kathryn Gannon, Production Editor

Nikolle Waffle, Production Assistant

TECHNICAL F	"	ΑI	PΕ	RS
-------------	---	----	----	----

Hysteretic Model of Single-Bolted Angle Connections for Lattice Steel Towers

Liyang Ma and Paolo Bocchini

Fast Convolution Integration-Based Nonstationary Response Analysis of Linear and

04019053

04019054

04019055

04019057

04019058

04019059

08219001

Nonlinear Structures with Nonproportional Damping
Ning Zhao, Guoqing Huang, Qingshan Yang, Xuhong Zhou, and Ahsan Kareem

Multiple Damage Identification in Beams from Full-Field Digital Photogrammetry

Qiaoyu Ma and Mario Solis

Micromechanics of Hydro-Thermo-Mechanical Processes in Rock Accounting for Thermal

Convection

Ingrid Tomac and Marte Gutierrez

Numerical Study of Containment of Spilled Medium-Viscosity Oil in Wave-Current Flow

O4019056

Xing Feng and Yang Shi

Determination of High-Strain-Rate Stress-Strain Response of Granite for Blast Analysis of Tunnels

Sunita Mishra and Tanusree Chakraborty

Nonlinear Vibratory Energy Exchanges between a Two-Degree-of-Freedom Pendulum and a Nonlinear Absorber

G. Hurel, A. Ture Savadkoohi, and C.-H. Lamarque

Elastic Visco-Plastic Model for Binary Sand-Clay Mixtures with Applications to One-Dimensional Finite Strain Consolidation Analysis

X. S. Shi, Jianhua Yin, and Jidong Zhao

CORRECTIONS

Erratum for "Framework for Probabilistic Assessment of Maximum Nonlinear Structural Response Based on Sensor Measurements: Discretization and Estimation" by Ajay Saini and Iris Tien

Ajay Saini and Iris Tien



Journals Department ASCE 1801 Alexander Bell Drive Reston, VA 20191-4382 Telephone: (703) 295-6290

Email: journal-services@asce.org