



Journal of Structural Engineering

1431 Editor's Note
Sashi K. Kunnath

Technical Papers

- 1433 Strength Curves for Metal Plates in Compression
Paul Bezkorovainy, Tim Burns, and Kim J. R. Rasmussen
- 1441 Ultimate Compressive Strength of Aluminum Plate Elements
Yugang Xiao and Craig C. Menzemer
- 1448 Plastic Analysis and Design of Steel Plate Shear Walls
Jeffrey Berman and Michel Bruneau
- 1457 Lateral-Torsional Buckling of Stepped Beams
Jong S. Park and J. Michael Stallings
- 1466 Behavior of Shear Studs Subjected to Fully Reversed Cyclic Loading
Scott A. Civjan and Prabhjeet Singh
- 1475 Effects of Material Toughness and Plate Thickness on Brittle Fracture of Steel Members
Hitoshi Kuwamura, Jun Iyama, and Koji Matsui
- 1484 Probabilistic Model for Marine Corrosion of Steel for Structural Reliability Assessment
Robert E. Melchers
- 1494 Feasibility and Optimization of Rigidified Inflatable Structures for Housing
Steven Van Dessel, Achille Messac, Anoop A. Mullur, and Amy A. Farina
- 1503 Local Buckling of Fiber Reinforced Plastic Composite Structural Members with Open and Closed Cross Sections
László P. Kollár
- 1514 Influence of Bond Slip on Crack Spacing in Numerical Modeling of Reinforced Concrete
G. Chen and G. Baker

contents continue on back cover



Technical Activities Division
of the Structural
Engineering Institute

contents continued from front cover

- 1522 Fire Resistance of Walls and Floors Using Light-Gauge Steel Shapes
Y. Sakumoto, T. Hirakawa, H. Masuda, and K. Nakamura
- 1531 Analytical Fire Resistance of Axially Restrained Steel Columns
Z. F. Huang and K. H. Tan
- 1538 Connectors for Timber-Lightweight Concrete Composite Structures
Eric Steinberg, Ricky Selle, and Thorsten Faust
- 1546 Deflection of Metal Plate Connected Wood Trusses with Nontriangulated Openings
Kathleen A. Wills Rittenburg and Sashi K. Kunnath

Technical Notes

- 1559 Dimensional Analysis of Reinforced Concrete Beams Subjected to Pure Torsion
D. R. Phatak and H. B. Dhonde

Discussions and Closures

- 1564 Discussion of "Definition of Wind Profiles in ASCE 7" by Yin Zhou and Ahsan Kareem
Emil Simiu, Fahim Sadek, and Michael A. Riley
- 1565 Closure by *Yin Zhou and Ahsan Kareem*

ASCE
American Society
of Civil Engineers

1801 Alexander Bell Drive
RESTON, VA 20191-4400



0733-9445(200311)129:11;1-R