Technical Papers

Behaviour and Design of Fabricated High Strength Steel Columns Subjected to Biaxial Bending: Part I: Experiments
Mohanad Mursi and Brian Uy

Behaviour and Design of Fabricated High Strength Steel Columns Subjected to Biaxial Bending: Part II: Analysis and Design Codes
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Inelastic Analysis of Steel Frames Accounting for Stiffness Degradations
Lei Xu and Yuxin Liu

Seismic Retrofitting Highways Truss Bridges
Charles Seim, Phillip Yen and Jerome S. O'Connor

The Study on Semirigid Joint of CFST Frame
Zhan Wang, Jixiong Yuan, Jianrong Pan and Juan Chen

Genetic Algorithm Search for Optimal Brace Positions in Steel Frames
D. Safari and Mahmoud R. Maher
Aims and scope
The International Journal of Advanced Steel Construction provides a platform for the publication and rapid dissemination of original and up-to-date research and technological developments in steel construction, design and analysis. Scope of research papers published in this journal includes but is not limited to theoretical and experimental research on elements, assemblages, systems, material, design philosophy and codification, standards, fabrication, projects of innovative nature and computer techniques. The journal is specifically tailored to channel the exchange of technological know-how between researchers and practitioners. Contributions from all aspects related to the recent developments of advanced steel construction are welcome.

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- 5 to 8 keywords.

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