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Lateral buckling of plate girders with flexible restraints

C. R. Hendy and R. P. Jones

Proceedings of the Institution of Civil Engineers, Bridge Engineering,
162, No. 1, March, 25–33, doi: 10.1680/bren.2009.162.1.25

Integral abutment bridge hysteresis model for long prediction

K. Pugasap and J. A. Laman

Proceedings of the Institution of Civil Engineers, Bridge Engineering,
162, No. 1, March, 35–47, doi: 10.1680/bren.2009.162.1.35

Design of the Dubai Metro light rail viaducts—superstructure

D. A. Smith and C. R. Hendy

Proceedings of the Institution of Civil Engineers, Bridge Engineering,
162, No. 2, June, 55–62, doi: 10.1680/bren.2009.162.2.63

Maximum dynamic stress on bridges traversed by moving loads

D. Cantero, A. González and E. J. OBrien

Proceedings of the Institution of Civil Engineers, Bridge Engineering,
162, No. 2, June, 75–85, doi: 10.1680/bren.2009.162.2.75

Maillart bridges: from structural concept to strengthening

F. Micelli and A. La Tegola

Proceedings of the Institution of Civil Engineers, Bridge Engineering,
162, No. 2, June, 87–93, doi: 10.1680/bren.2009.162.2.87

Life-cycle cost management of concrete bridges

K. K. L. So, M. M. S. Cheung and E. X. Q. Zhang

Proceedings of the Institution of Civil Engineers, Bridge Engineering,

162, No. 3, September, 103–117,

doi: 10.1680/bren.2009.162.3.103

Analysis of prestressed fibre-reinforced concrete beams

J. Thomas and A. Ramaswamy

Proceedings of the Institution of Civil Engineers, Bridge Engineering,
162, No. 3, September, 119–126,
doi: 10.1680/bren.2009.162.3.119

ISA Town Gate interchange, Bahrain

D. Yau and J. Penny

Proceedings of the Institution of Civil Engineers, Bridge Engineering,
162, No. 3, September, 127–135,
doi: 10.1680/bren.2009.162.3.127

Improved adaptive spectra-based pushover analysis for bridges

S. Qin, H. Wang, C. Liu and G. Lin

Proceedings of the Institution of Civil Engineers, Bridge Engineering,
162, No. 3, September, 137–142,
doi: 10.1680/bren.2009.162.3.137

Weetwood Bridge stabilisation, UK

P. A. Brewis and D. W. Brown

Proceedings of the Institution of Civil Engineers, Bridge Engineering,
162, No. 4, December, 149–156,
doi: 10.1680/bren.2009.162.4.149

Full-scale testing of a fibre-reinforced concrete footbridge

G. A. Parsekian, N. G. Shrive, T. G. Brown, J. Kroman, P. J. Seibert, V. H. Perry, A. Boucher and G. Ghoneim

Proceedings of the Institution of Civil Engineers, Bridge Engineering,
162, No. 4, December, 157–166,
doi: 10.1680/bren.2009.162.4.157

Design and construction of Clackmannanshire Bridge, Scotland

S. Bourne, B. Minto, F. Platt and D. Slater

Proceedings of the Institution of Civil Engineers, Bridge Engineering,
162, No. 4, December, 167–187,
doi: 10.1680/bren.2009.162.4.167

M25 Holmesdale tunnel – setting a new standard for safety

J. Tomkins, J. Celentano, E. Colgan and K. Spiby
Proceedings of the Institution of Civil Engineers, Civil Engineering, **162**, No. 1, February, 19–26, doi: 10.1680/cien.2009.162.1.19

Thomas Young and the Brunels: masters of masonry analysis

A. Muir Wood
Proceedings of the Institution of Civil Engineers, Civil Engineering, **162**, No. 1, February, 42–48, doi: 10.1680/cien.2009.162.1.42

London 2012: a new approach to CDM coordination

J. P. Scopes
Proceedings of the Institution of Civil Engineers, Civil Engineering, **162**, No. 2, February, 76–86, doi: 10.1680/cien.2009.162.2.76

Seeing the big picture in structural engineering

W.-F. Chen
Proceedings of the Institution of Civil Engineers, Civil Engineering, **162**, No. 2, February, 87–95, doi: 10.1680/cien.2009.162.1.87

Advances in research on fire engineering of steel structures

Y. Wang
Proceedings of the Institution of Civil Engineers, Civil Engineering, **162**, No. 3, August, 129–135, doi: 10.1680/cien.2009.162.3.129

Wireless sensor networks: creating ‘smart infrastructure’

N. Hoult, P. J. Bennett, I. Stoianov, P. Fidler, Č. Maksimović, C. Middleton, N. Graham, K. Soga
Proceedings of the Institution of Civil Engineers, Civil Engineering, **162**, No. 3, August, 136–143, doi: 10.1680/cien.2009.162.3.136

Designing and building Belfast’s new retail heart

M. Gray, S. McCaffrey, F. Blaney, F. McMeel and S. Gallagher
Proceedings of the Institution of Civil Engineers, Civil Engineering, **162**, No. 4, August, 162–170, doi: 10.1680/cien.2009.162.4.162

What should we teach in structural engineering design

I. M. May
Proceedings of the Institution of Civil Engineers, Civil Engineering, **162**, No. 4, August, 187–191, doi: 10.1680/cien.2009.162.4.187

Forensic investigation of blast damage to British buildings

B. Keane and P. Esper
Proceedings of the Institution of Civil Engineers, Civil Engineering, **162**, Special Issue 1 – Forensic engineering, May, 4–11, doi: 10.1680/cien.2009.162.5.4

Forensic engineering of fire-damaged structures

J. Ingham
Proceedings of the Institution of Civil Engineers, Civil Engineering, **162**,

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Learning lessons from forensic investigations of corrosion failures

G. John, T. Edwards, A. Wright, M. Broadhurst and C. Newton
Proceedings of the Institution of Civil Engineers, Civil Engineering, **162**, Special Issue 1 – Forensic engineering, May, 18–24, doi: 10.1680/cien.2009.162.5.18

Forensic study of wave loads on a pier in Belgium

J. Alderson, W. Allsop, G. Cuomo, Y. Duchêne and V. de Ville de Goyet
Proceedings of the Institution of Civil Engineers, Civil Engineering, **162**, Special Issue 1 – Forensic engineering, May, 25–32, doi: 10.1680/cien.2009.162.5.25

Forensic structural engineering practice in the USA

R. T. Ratay
Proceedings of the Institution of Civil Engineers, Civil Engineering, **162**, Special Issue 1 – Forensic engineering, May, 52–56, doi: 10.1680/cien.2009.162.5.52

Foundation design for the Pentominium tower in Dubai, UAE

K. Ibrahim, G. Bunce and C. Murrells
Proceedings of the Institution of Civil Engineers, Civil Engineering, **162**, Special Issue 2 – The Middle East, November, 25–33, doi: 10.1680/cien.2009.162.5.25

Delivering Wadi Dayqah, Oman’s tallest dam

M. Prisk, M. Richards and M. Hieatt
Proceedings of the Institution of Civil Engineers, Civil Engineering, **162**, Special Issue 2 – The Middle East, November, 42–50, doi: 10.1680/cien.2009.162.5.42

The engineering properties of Victorian structural wrought iron

S. S. J. Moy, H. W. J. Clarke and S. R. Bright
Proceedings of the Institution of Civil Engineers, Construction Materials, **162**, No. 1, May, 1–10, doi: 10.1680/coma.2009.162.1.1

Fuzzy logic approach for estimating durability of concrete

M. L. Nehdi and M. T. Bassuoni
Proceedings of the Institution of Civil Engineers, Construction Materials, **162**, No. 2, May, 81–92, doi: 10.1680/coma.2009.162.2.81

Construction time and cost for post-tensioned timber buildings

T. Smith, M. Fragiocomo, S. Pampanin and A. H. Buchanan
Proceedings of the Institution of Civil Engineers, Construction Materials, **162**, No. 4, May, 141–149, doi: 10.1680/coma.2009.162.4.141

Assessment of Eurocode 5 for fire design of timber columns

P. B. Cachim

Proceedings of the Institution of Civil Engineers, Construction Materials, **162**, No. 4, May, 151–156, doi: 10.1680/coma.2009.162.4.151

Non-destructive assessment of timber in historic buildings

J. R. Williams

Proceedings of the Institution of Civil Engineers, Construction Materials, **162**, No. 4, May, 175–180, doi: 10.1680/coma.2009.162.4.175

Decarbonising buildings by indirect use of gas and biomass

S. Squire, H. Chalmers and J. Gibbins

Proceedings of the Institution of Civil Engineers, Energy, **162**, No. 4, November, 169–181, doi: 10.1680/ener.2009.162.4.181

Concrete grandstands. Part I: experimental investigation

J. N. Karadelis

Proceedings of the Institution of Civil Engineers, Engineering and Computational Mechanics, **162**, No. 1, March, 3–9, doi: 10.1680/eacm.2009.162.1.3

Concrete grandstands. Part II: numerical modelling

J. N. Karadelis

Proceedings of the Institution of Civil Engineers, Engineering and Computational Mechanics, **162**, No. 1, March, 11–21, doi: 10.1680/eacm.2009.162.1.11

Advantages of object-oriented finite-element analysis

R. I. Mackie

Proceedings of the Institution of Civil Engineers, Engineering and Computational Mechanics, **162**, No. 1, March, 23–29, doi: 10.1680/eacm.2009.162.1.23

Computational models for fibre-reinforced composites

V. Kompiš and M. Štiavnický

Proceedings of the Institution of Civil Engineers, Engineering and Computational Mechanics, **162**, No. 1, March, 39–43, doi: 10.1680/eacm.2009.162.1.39

Thermoelastic restrained buckling of composite beams

T. K. Luu and M. A. Bradford

Proceedings of the Institution of Civil Engineers, Engineering and Computational Mechanics, **162**, No. 2, June, 77–86, doi: 10.1680/eacm.2009.162.2.77

Stability of multi-degree-of-freedom Duffing oscillators

P. Ribeiro

Proceedings of the Institution of Civil Engineers, Engineering and Computational Mechanics, **162**, No. 2, June, 87–97, doi: 10.1680/eacm.2009.162.2.87

FRP railway decking – Calder Viaduct

L. Canning and N. Speight

Proceedings of the Institution of Civil Engineers, Engineering and Computational Mechanics, **162**, No. 3, September, 103–106, doi: 10.1680/eacm.2009.162.3.103

Polymer composites in construction: a brief history

L. C. Hollaway

Proceedings of the Institution of Civil Engineers, Engineering and Computational Mechanics, **162**, No. 3, September, 107–118, doi: 10.1680/eacm.2009.162.3.107

Fibre-reinforced polymer in railway civil engineering

B. Bell

Proceedings of the Institution of Civil Engineers, Engineering and Computational Mechanics, **162**, No. 3, September, 119–126, doi: 10.1680/eacm.2009.162.3.119

Repair of fractured cast iron bridge

R. Rusev and T. Abbott

Proceedings of the Institution of Civil Engineers, Engineering and Computational Mechanics, **162**, No. 3, September, 127–139, doi: 10.1680/eacm.2009.162.3.127

Replacement of FRP bridge deck for vehicle loading

D. G. Dawson and N. S. Farmer

Proceedings of the Institution of Civil Engineers, Engineering and Computational Mechanics, **162**, No. 3, September, 141–144, doi: 10.1680/eacm.2009.162.3.141

Lateral buckling of CFRP stiffened pultruded GRP beams

G. J. Turvey and W. Wei

Proceedings of the Institution of Civil Engineers, Engineering and Computational Mechanics, **162**, No. 3, September, 145–153, doi: 10.1680/eacm.2009.162.3.145

Failure of pultruded GRP bolted joints: a Taguchi analysis

G. J. Turvey and W. Wei

Proceedings of the Institution of Civil Engineers, Engineering and Computational Mechanics, **162**, No. 3, September, 155–166, doi: 10.1680/eacm.2009.162.3.155

Strengthening prestressed concrete with prestressed CFRP

Y. J. Kim and M. F. Green

Proceedings of the Institution of Civil Engineers, Engineering and Computational Mechanics, **162**, No. 3, September, 167–170, doi: 10.1680/eacm.2009.162.3.167

Curved FRP as concrete reinforcement

T. Imajai, M. Guadagnini and K. Pilakoutas

Proceedings of the Institution of Civil Engineers, Engineering and Computational Mechanics, **162**, No. 3, September, 171–178, doi: 10.1680/eacm.2009.162.3.171

On the use of Rayleigh damping for seismic analysis

A. H. Nielsen

Proceedings of the Institution of Civil Engineers, Engineering and Computational Mechanics, **162**, No. 4, December, 215–220,
doi: 10.1680/eacm.2009.162.4.215

On a damage–plasticity approach to model concrete failure

P. Grassl

Proceedings of the Institution of Civil Engineers, Engineering and Computational Mechanics, **162**, No. 4, December, 221–231,
doi: 10.1680/eacm.2009.162.4.221

The establishment of plastic design in the UK

J. Heyman

Proceedings of the Institution of Civil Engineers, Engineering History and Heritage, **162**, No. 1, February, 7–11,
doi: 10.1680/ehah.2009.162.1.7

Introduction of steel columns in US buildings 1862–1920

S. E. Wermiel

Proceedings of the Institution of Civil Engineers, Engineering History and Heritage, **162**, No. 1, February, 19–27,
doi: 10.1680/ehah.2009.162.1.19

The effect of bridge failures on UK technical policy and practice

R. J. Bridle and F. A. Sims

Proceedings of the Institution of Civil Engineers, Engineering History and Heritage, **162**, No. 1, February, 39–49,
doi: 10.1680/ehah.2009.162.1.39

History of high-alumina cement. Part 1: Problems and the Stone report

A. Neville

Proceedings of the Institution of Civil Engineers, Engineering History and Heritage, **162**, No. 2, May, 81–91,
doi: 10.1680/ehah.2009.162.2.81

History of high-alumina cement. Part 2: Background to issues

A. Neville

Proceedings of the Institution of Civil Engineers, Engineering History and Heritage, **162**, No. 2, May, 93–101,
doi: 10.1680/ehah.2009.162.2.93

High Level Bridge: engineering successful heritage solutions

T. Abbott and L. Ayling

Proceedings of the Institution of Civil Engineers, Engineering History and Heritage, **162**, No. 3, August, 127–136,
doi: 10.1680/ehah.2009.162.3.127

St Pancras station: Victorian ‘cathedral of the railways’

G. Roberts

Proceedings of the Institution of Civil Engineers, Engineering History and Heritage, **162**, No. 3, August, 157–166,

doi: 10.1680/ehah.2009.162.3.157

St Pancras Renaissance hotel, London – a future for the past

J. Länge and D. Lazarus

Proceedings of the Institution of Civil Engineers, Engineering History and Heritage, **162**, No. 4, November, 189–197,
doi: 10.1680/ehah.2009.162.4.189

The code for sustainable homes

C. Gaze and L. McKeown

Proceedings of the Institution of Civil Engineers, Engineering Sustainability, **162**, No. 4, December, 181–184,
doi: 10.1680/ensu.2009.162.4.181

Limit-equilibrium assessment of drystone retaining structures

C. Mundell, P. McCombie, C. Bailey, A. Heath and P. Walker

Proceedings of the Institution of Civil Engineers, Geotechnical Engineering, **162**, No. 4, August, 203–212,
doi: 10.1680/geng.2009.162.4.203

Influence of rigid base on damping of finite sand stratum

H. N. Ramesh, M. T. Prathap Kumar, M. V. Raghavendra Rao and M. Sainath Reddy

Proceedings of the Institution of Civil Engineers, Geotechnical Engineering, **162**, No. 6, August, 335–346,
doi: 10.1680/geng.2009.162.4.335

32nd America’s Cup structures in Valencia, Spain

J. Gisbert Blanquer and M. Gras Navarro

Proceedings of the Institution of Civil Engineers, Maritime Engineering, **162**, No. 2, June, 49–55, doi: 10.1680/maen.2009.162.2.49

Port extension works at Vilagarcía, Spain

J. D. Pérez Freire and B. Marcos Moreiras

Proceedings of the Institution of Civil Engineers, Maritime Engineering, **162**, No. 2, June, 83–90, doi: 10.1680/maen.2009.162.2.83

Restructuring public–private partnership in student housing

W. Tan

Proceedings of the Institution of Civil Engineers, Management, Procurement and Law, **162**, No. 2, May, 83–88,
doi: 10.1680/mpal.2009.162.2.83

Risk and uncertainty in James Bridge remediation

A. J. Turner and W. Berwick

Proceedings of the Institution of Civil Engineers, Municipal Engineer, **162**, No. 3, September, 187–190,
doi: 10.1680/muen.2009.162.3.187