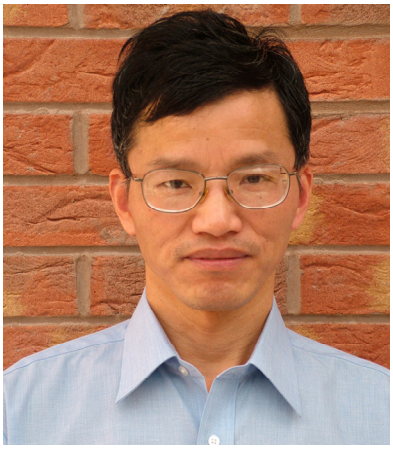
CURRICULUM VITAE

PERSONAL DETAILS

Surname:	Li	**Forename**:	Long-yuan
Date of birth:	6th October 1960	**Place of birth**:	Jiangsu, China
Nationality:	British	**Sex**:	Male



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EDUCATION AND QUALIFICATION

Jan'85 – July'87	Shanghai University of Technology, Shanghai, China
Degree received	**PhD** in Structural Engineering
Sept'82 – Dec'84	Dalian University of Technology, Dalian, China
Degree received	**MSc** in Solid Mechanics
Sept'78 – July'82	Jiangsu University of Technology, Zhengjiang, China
Degree received	**BEng** in Mechanical Engineering (1st-Class)

EMPLOYMENT

Jan'08 - date	Senior Lecturer in Structural Engineering, School of Civil Engineering, The University of Birmingham, Birmingham
Apr'02 – Dec'07	Senior Lecturer in Materials and Structures, School of Engineering and Applied Science, Aston University, Birmingham
Mar'96 – Mar'02	Lecturer in Materials and Structures, School of Engineering and Applied Science, Aston University, Birmingham
Mar'94 – Feb'96	Senior Research Fellow, EPSRC funded Engineering Design Centre, University of Newcastle, Newcastle upon Tyne
Mar'92 – Feb'94	Research Fellow, Department of Civil Engineering, University of Liverpool, Liverpool

Jan'91 – Feb'92 Research Associate, Department of Civil Engineering, University College London, London

July'89 – Jan'91 Alexander-von-Humboldt Research Fellow, Institute of Statics and Dynamics, Ruhr University, Bochum, Germany

July'88 – June'89 Postdoctoral Research Fellow, Department of Civil Engineering, Washington University, St. Louis, USA

Sept'86 – June'88 Lecturer of Solid Mechanics, Shanghai University, Shanghai, China

RESEARCH INTERESTS

- Theory and Application of Finite Element Methods
- Damage Analysis of Composite Structures under Impact Loading
- Durability of Concrete Structures
- Biomechanics Problems in Tissue Engineering
- Fire Structural Analysis (Particularly on Concrete Structures)
- Analysis and Design of Cold-formed Steel Structures

TEACHING ACTIVITIES

- Structural Analysis and Finite Element Methods
- Steel Structural Design
- Design Practice

RESEARCH GRANT AWARDS:

- The Royal Society
    - International Travel grant (3/97)
    - Non-conventional finite elements for solving convection-dominated diffusion equations (Postdoctoral fellow project, 11/00-10/01) (£14k)
    - Unloading behavior of elastoplastic particles during contact/impact. (Postdoctoral fellow project, 1/02-12/02) (£14k)
    - UK-China Science Research Network grant (12/03) (£6k)
    - UK-China Science Research Network grant (09/07) (£10k)
    - Joint Project - "Impact of global climate change on the durability of concrete structures" (JP0867232, 01/05/09-30/04/11) (£24k)
- EPSRC
    - Stick/bounce behaviour of particles at wall boundaries (Postdoctoral fellow project, GR/L48546**,** 1/3/98-28/02/01, co-investigator) (£127k)

- FE modeling of spalling of reinforced concrete columns when subjected to fire (Postdoctoral fellow project, GR/M13565, 01/02/99-31/01/02, co-investigator) (£130k)
- Buckling resistance of transmission towers of cold-formed steel sections (EPSRC industrial case studentship, 10/01-10/04) (£60k)
- Optimum design of aluminum structures (EPSRC industrial case studentship, 9/06-8/09) (£80k)
- The development of computer models for simulating biomechanical behaviour of human corneas (EPSRC, EP/G056501/1, 01/07/09-30/12/10)
- Finite element simulation of electrochemical repassivation of steel in carbonated concrete (EPSRC, EP/H002553/1, submitted, under review)

- KTP/DTI
  - Optimum design of manufacturing systems for chase equipment (Chase Equipment, 06/02-06/04) (£102k)
  - Processing development of off-site construction products (Mtech, 5/05-4/08) (£210k)
- Industrial Projects
  - Full size testing of cold-formed steel sections (Albion Sections Ltd, 1/03-12/03) (£15k)
  - Experimental and numerical investigations of aluminum joints (DTA Consultant, 07/05-12/05) (£5k)
  - Connection tests of sigma sections (Albion Sections Ltd, 9/06-6/07) (£3k)
  - Static and dynamic tests of trolley wheels (Certikin International Ltd, 10/07-6/08) (£2.2k)
  - Performance of the aluminum connections (Clarkebond, 10/08-5/09) (£1.8k)
- Royal Academy of Engineering
  - International travel grant (2001)
  - International travel grant (2003)
  - International travel grant (2005)
  - International travel grant (2008)

ESTEEM OUTPUTS

- Fellow of Alexander von Humboldt Stiftung (Germany)
- Fellow of The Institution of Structural Engineers (UK) (0283702)
- Fellow of UK Higher Education Academy (30942)
- Member of editorial board of Journal - “International Journal of Structural Engineering (IJSE)”

- Member of editorial board of Journal - “Applied Mathematics and Mechanics (AMM)”
- Member of the ISE Committee for Midland Counties Branch
- Member of The International Society for Interaction of Mechanics and Mathematics (ISIMM)
- External examiner of PhD student (University of Luton, 2001; University of Manchester, 2002; University of Surry, 2006; University of Leeds, 2007; University of Sheffield, 2007; University of Leicester, 2008)
- Senior Visiting Scientist of Kyushu National Industrial Research Institute, Japan, 2000
- Visiting Professor of Harbin Institute of Technology, Shenzhen Graduate School, China, 2004-date
- Guest Editor of the International Journal of Modeling, Identification and Controlling (IJMIC) for a special issue on “Mathematical Modeling of Engineering, Physical and Biological Science Problems”, Vol.2, No.3, 2007.
- Guest Editor of the International Journal of Modeling, Identification and Controlling (IJMIC) for a special issue on “Modeling, Monitoring and Control of Durability of Concrete Structures”, Vol.4, No.2, 2009.

LIST OF PUBLICATIONS

(1) Book Chapters

[1] L.Y. Li (2006): "Calculation Approach", Chapter 6 of book – "Fire Safety Engineering, Design of Structures" by J.A. Purkiss (2nd edition). Elsevier, Oxford. pp142-167.

[2] L.Y. Li & X.T. Chu (2007): "Cold-formed Steel Sections", Chapter 11 of book – "Structural Design of Steelwork" by L.H. Martin and J.A. Purkiss (2nd edition). Elsevier, Amsterdam. pp413-457.

(2) Review of Books

[1] L.Y. Li (1998): "Buckling Experiments: Experimental Methods in Buckling of Thin-Walled Structures" by J Singer, J. Arbocz, and T. Weller. Applied Mechanics Reviews, Vol.51, No.6.

[2] L.Y. Li (1999): "Mechanics of Composite Materials" by A.K. Kaw. Applied Mechanics Reviews, Vol.52, No.3.

[3] L.Y. Li (2001): "Theory of Elastic Stability, Analysis and Sensitivity" by L.A. Godoy. Applied Mechanics Reviews, Vol.54, No.11.

[4] L.Y. Li (2004): "The Scaled Boundary Finite Element Method" by J.P. Wolf. Applied Mechanics Reviews, Vol.57, No.2.

(3) Papers Published in Refereed Journals

[102] J. Yin, X.X. Zha and L.Y. Li (2009): Interaction between local and distortional buckling modes in cold-formed steel members subjected to pure bending. Thin-Walled Structures (submitted).

[101] J.K. Chen & L.Y. Li (2009): Influence of stress gradient on the distortional buckling of thin-walled beams. Computers and Structures (submitted).

[100] L.Y. Li (2009): Analyses of distortional buckling of cold-formed sections using EN 1993-1-3. J. of Constructional Steel Research (submitted).

[99] J.Z. Gu & L.Y. Li (2009): Adhesive contacts of a rigid sphere and an elastic-perfectly plastic half-space. Journal of Physics (D, Applied Physics) (submitted).

[98] C.Y. Wu, C. Thornton and L.Y. Li (2009): A semi-analytical model for oblique impacts of elastoplastic spheres. Proceedings of The Royal Society A 465, 937–960.

[97] L.Y. Li & J.Z. Gu (2009): An analytical solution for the unloading in spherical indentation of elastic-plastic solids. International Journal of Engineering Science 47, (3)452-462.

[96] C.Y. Wu, C. Thornton and L.Y. Li (2008): Rebound behaviour of spheres during elastic-plastic oblique impact. Int. J. Modern Physics (B) 22, (9-11)1095-1102.

[95] L.Y. Li & J.K. Chen (2008): An analytical model for analyzing distortional buckling of cold-formed steel sections. Thin-Walled Structures 46, (12)1430-1436.

[94] L.Y. Li & B.J. Tighe (2007): Nonlinear analysis of static axial-symmetric deformation of the human cornea. Computational Material Science 38, (4)618-624.

[93] J.A. Purkiss & L.Y. Li (2006): Discussion on "Numerical calculations of vapour pressure

in concrete exposed to fire". Magazine of Concrete Research 58, (7)487-488.

[92] T. Tran & L.Y. Li (2006): Global optimization of cold-formed steel channel sections. Thin-Walled Structures 44, (4)399-406.

[91] L.Y. Li & B.J. Tighe (2006): Numerical simulation of corneal transport processes. Journal of Royal Society Interface 3, 303-310.

[90] L.Y. Li & B.J. Tighe (2006): The anisotropic material constitutive models for the human cornea. Journal of Structural Biology 13, (3)223-230.

[89] Y. Jing, X.X. Zha & L.Y. Li (2006): Fire resistance of axially loaded concrete filled steel tube columns. J. of Constructional Steel Research 62, (7)723-729.

[88] X.T. Chu, Z.M. Ye, L.Y. Li & R. Kettle (2006): Local and distortional buckling of cold-formed zed-section beams under uniformly distributed loads. Int. J. of Mechanical Sciences 48, (4)378-388.

[87] L.Y. Li (2006): Modeling of mass transfer in osmotic dehydration of biological tissues. Computational Material Science 35, (2)78-83.

[86] C.Y. Wu, L.Y. Li & C. Thornton (2005): Energy dissipation during normal impact of elastic and elastic-plastic spheres. J. of Impact Engineering 32, (1-4)593-604.

[85] L.Y. Li & J.A. Purkiss (2005): Stress-strain constitutive equations of concrete material at elevated temperature. Fire Safety Journal 40, (7)669-686.

[84] X.T. Chu, J. Rickard & L.Y. Li (2005): Influence of lateral restraint on lateral-torsional buckling of cold-formed steel purlins. Thin-Walled Structures 43, 800-810.

[83] Q.G. Wang, K. Ahmet, Y. Yue & L.Y. Li (2005): Determination of the unsaturated hydraulic diffusivity of porous construction materials from transient moisture profiles utilizing pin-type resistance sensor array. Journal of Materials Science 40, (4)1013-1015.

[82] X.T. Chu, Z.M. Ye, R. Kettle & L.Y. Li (2005): Buckling behaviour of cold-formed channel sections under uniformly distributed loads. Thin-Walled Structures 43, 531-542.

[81] Y. Wang, L.Y. Li & C.L. Page (2005): Modeling of chloride ingress into concrete from a saline environment. Building and Environment 40, (12)1573-1582.

[80] L.Y. Li (2004): Transport of multi-component ionic solutions in membrane systems. Philosophical Magazine Letters 84 (Structure and Properties of Condensed Matter), (9)593-599.

[79] L.Y. Li, B.J. Tighe & J.W. Roberti (2004): Mathematical modeling of corneal swelling. Biomechanics and Modeling in Mechanobiology 3, (2)114-123.

[78] C.Y. Wu, C. Thornton & L.Y. Li (2004): Coefficients of restitution for elastoplastic oblique impacts. Advanced Powder Technology 14, (4)435-448.

[77] L.Y. Li (2004): Lateral-torsion buckling of cold-formed zed-purlins partial-laterally restrained by metal sheeting. Thin-Walled Structures 42, (7)995-1011.

[76] X.T. Chu, R. Kettle & L.Y. Li (2004): Lateral-torsion buckling analysis of partial-laterally restrained thin-walled channel-sections beams. J. of Constructional Steel Research 60, (8)1159-1175.

[75] X.T. Chu, L.Y. Li & R. Kettle (2004): The effect of warping stress on the lateral torsion buckling of cold-formed zed-purlins. J. of Applied Mechanics (ASME) 71, (5)742-744.

[74] Z.M. Ye, R. Kettle & L.Y. Li (2004): Analysis of cold-formed zed-purlins partially restrained by steel sheeting. Computer and Structures 82, (9/10)731-739.

[73] S.L. Yan & L.Y. Li (2003): Finite element analysis of cyclic indentation of an elastic-perfectly plastic half-space by a rigid sphere. Proc. Instn. Mech. Engrs. 217, (C5)505-514.

[72] C.Y. Wu, L.Y. Li, & C. Thornton (2003): Rebound behaviour of spheres for plastic impacts. J. of Impact Engineering 28, (9)926-946.

[71] C.N. Xu, H. Matsui, Y. Liu, X.G. Zheng & L.Y. Li (2001): Novel approach to dynamic imaging of stress distribution with piezoluminescence. Ferroelectrics 263. 3-8.

[70] Z.M. Ye, R. Kettle, L.Y. Li & B.W. Schafer (2002): Buckling behaviour of cold-formed zed-purlins partially restrained by steel sheeting. Thin-walled Structures 40, 853-864.

[69] L.Y. Li, J.A. Purkiss & R.T. Techchev (2001): An engineering model for coupled heat and mass transfer analysis in heated concrete. Proc. Instn. Mech. Engrs. 216,(1)1-12.

[68] R.T. Techchev, L.Y. Li & J.A. Purkiss (2001): Finite element analysis of coupled heat and moisture transfer in concrete subjected to fire. Numerical Heat Transfer 39, 685-710.

[67] R.T. Techchev, L.Y. Li, J.A. Purkiss & B.H. Khalafallah (2001): Finite element analysis of coupled heat and mass transfer in concrete when it is in a fire. Magazine of Concrete Research 53, (2)117-125.

[66] Y. Wang, L.Y. Li & C.L. Page (2001): A two-dimension model of electrochemical chloride removal from concrete. Computational Material Science 20, (2)188-204.

[65] L.Y. Li & R. Kettle (2001): Bending response and the stability of ring-stiffened cylindrical shells under pure bending. Int. J. of Solids and Structures 39, (3)765-781.

[64] L.Y. Li, C.Y. Wu & C. Thornton (2001): A theoretical model for the contact of elastoplastic bodies. Proc. Instn. Mech. Engrs. 216, (C4)421-431.

[63] L.Y. Li, C. Thornton and C.Y. Wu (2000): Impact behaviour of the elastoplastic sphere with a rigid wall. Proc. Instn. Mech. Engrs. 214, (C4)1107-1114.

[62] L.Y. Li & C.L. Page (2000): Finite element modelling of chloride removal from concrete by electrochemical method. Corrosion Science 42, (12)2145-2165.

[61] L.Y. Li & C.L. Page (1998): Modelling of electrochemical chloride extraction from concrete: influence of ionic activity coefficients. Computational Material Science 9, 303-308.

[60] L.Y. Li & P. Bettess (1997): Buckling of stiffened plates and design of stiffeners. Int. J. of Pressure Vessels and Piping 74, (3)177-189.

[59] L.Y. Li & P. Bettess (1997): Error estimates and adaptive remeshing techniques in elastoplasticity. Communications in Numerical Methods in Engineering 13, (4)285-299.

[58] L.Y. Li & P. Bettess (1997): Adaptive finite element methods -- a review. Appl. Mech. Reviews 50, (10)581-591.

[57] L.Y. Li, P. Bettess, J. Bull & T. Bond (1997): Adaptive finite element analysis of stiffened shells. Advances in Engineering Software 28, (8)501-507.

[56] L.Y. Li, I. Applegarth, J. Bull, P. Bettess, T. Bond & P. Thompson (1997): An auto-adaptive finite element analysis software for stiffened structures. Advances in Engineering Software 28. (5)285-292.

[55] L.Y. Li & T.C.K. Molyneaux (1997): Dynamic instability criteria for structures subjected to sudden step loads. Int. J. of Pressure Vessels and Piping 70, (2)121-126.

[54] L.Y. Li, P. Bettess, J. Bull & T. Bond (1996): Mesh refinement formulations in adaptive finite element Methods. Proc. Instn. Mech. Engrs. 210, (C4)353-361.

[53] T. Bond, L.Y. Li, P. Bettess, J. Bull & I. Applegarth (1996): Adaptive mesh refinement for shell analysis with Ahmad shell element. Computers and Structures 61, (6)1135-1141.

[52] L.Y. Li(1996): Bending instability of composite tubes. J. of Aerospace Engineering (ASCE) 9,(2)58-61.

[51] T.C.K. Molyneaux & L.Y. Li (1996): Dynamic elastic instability of long circular cylindrical shells under pure bending. Thin-Walled Structures 24, (2)123-133.

[50] L.Y. Li (1996): Approximate estimates of dynamic instability of long circular cylindrical shells under pure bending. Int. J. of Pressure Vessels and Piping 67, (1)37-40.

[49] L.Y. Li, I. Applegarth, J. Bull, P. Bettess & T. Bond (1996): Adaptive analysis of stiffened structures using stiffened plate bending elements. Int. J. of Pressure Vessels and Piping 65, (2)117-125.

[48] T.C.K. Molyneaux & L.Y. Li (1996): Instability of cylindrical panels under combined static and dynamic loads. Int. J. of Pressure Vessels and Piping 65, (2)163-169.

[47] L.Y. Li & P. Bettess (1995): Notes on mesh optimal criteria in adaptive finite element computations. Communications in Numerical Methods in Engineering 11, (11)911-915.

[46] L.Y. Li, P. Bettess, J. Bull, T. Bond & I. Applegarth (1995): Theoretical formulations for adaptive finite element computations. Communications in Numerical Methods in Engineering 11, (10)857-868.

[45] L.Y. Li & T.C.K. Molyneaux (1995): Dynamic constitutive equation and behaviour of brass at high strain rates. Proc. Instn. Mech. Engrs. 209, (C4)287-293.

[44] T.C.K. Molyneaux, L.Y. Li & N. Firth (1994): Numerical simulation of underwater explosions. Computers and Fluids 23, (7)903-911.

[43] L.Y. Li & J.G.A. Croll (1994): Improved design of natural draught cooling towers against buckling failure. Civil Engineering Systems 11, (2)143-157.

[42] T.C.K. Molyneaux, L.Y. Li & N. Firth (1994): Response and failure analyses of shielding structures under internal explosive loading. Int. J. of Pressure Vessels and Piping 57, (3)353-358.

[41] L.Y. Li (1994): Determination of stability in nonlinear analysis of structures. Archive of Applied Mechanics 64, (2)119-126.

[40] L.Y. Li & T.C.K. Molyneaux (1994): Elastoplastic dynamic instability of long circular cylindrical shells under pure bending. Int. J. of Mechanical Science 36, (5)431-437.

[39] L.Y. Li & T.C.K. Molyneaux (1993): Dynamic contact instability of spherical caps. Int. J. of Impact Engineering 13, (3)479-484.

[38] L.Y. Li & J.G.A. Croll (1993): The free vibration analysis of stiffened cooling towers. Civil Engineering Systems 10, (1)1-17.

[37] T.C.K. Molyneaux, L.Y. Li & N. Firth (1993): Impact responses of circular cylindrical shells under explosive loadings. Advances in Engineering Software 18, (1)7-13.

[36] W.B. Kratzig & L.Y. Li (1992): On rigorous stability conditions for dynamic quasi-bifurcations. Int. J. of Solids and Structures 29, (1)97-104.

[35] L.Y. Li & J.G.A. Croll (1992): Interactive vibrations of stringer stiffened cylinders. Thin-Walled Structures 14, (2)127-138.

[34] L.Y. Li (1992): Interaction of forced and parametric loading vibrations. Computers and Structures 40, (3)615-618.

[33] L.Y. Li (1991): The criteria for identifying the type of critical points. Archive of Applied Mechanics 61, (4)231-235.

[32] W.B. Kratzig, L.Y. Li & P. Nawrotzki (1991): Stability conditions for non-conservative dynamical systems. Computational Mechanics 8, (3)145-151.

[31] L.Y. Li (1990): Improved nonlinear buckling analysis of structures. Computational Mechanics 6, (5/6)457-462.

[30] L.Y. Li (1990): Influence of loading imperfections on the stability of axially compressed cylindrical shells. Thin-Walled Structures 10, (3)215-220.

[29] L.Y. Li & T.G. Harmon (1990): Three parameter failure criterion for concrete. J. of Materials in Civil Engineering, ASCE 2, (4)215-222.

[28] L.Y. Li (1990): Rationalism theories and finite element methods applied to shell structures. Appl. Math. Mech. 11, (4)395-402.

[27] L.Y. Li (1990): Discussion of critical loads in nonlinear stability analysis and suggesting a variational principle of solving buckling loads. Appl. Math. Mech. 11, (3)293-295.

[26] L.Y. Li (1989): Increment stiffness matrix and total quantum stiffness matrix in nonlinear analysis. Appl. Math. Mech. 10, (8)723-726.

[25] L.Y. Li & W.D. Lu (1989): Nonlinear buckling analysis of hyperbolic cooling towers with ring-stiffeners. Appl. Math. Mech. 10, (2)113-118.

[24] L.Y. Li & W.D. Lu (1987): Asymptotic analysis of dynamic responses of hyperbolic cooling tower shells with ring-stiffeners: Perturbation finite element solutions. Appl. Math. Mech. 8, (7)631-640.

[23] L.Y. Li (1987): Perturbation solutions of free vibration of cylindrical shells with ring-stiffeners. Appl. Math. Mech. 8, (3)283-292.

[22] L.Y. Li (1986): Vibration analysis of moderate-thick plates with slowly varying thickness. Appl. Math. Mech. 7, (7)707-714.

[21] L.Y. Li (1988): Theory of perturbation finite element analysis for solving nonlinear buckling critical loads. Science in China (Scientia Sinica), Series A, 31, (12)1269-1273 (Chinese).

[20] L.Y. Li (1988): The asymptotic solution of critical loads in nonlinear stability analyses. Bulletin of Science in China (Kexue Tongbao) 33, (23)1783-1786 (Chinese).

[19] L.Y. Li (1991): Instability of structures under multiple parameter loading systems. Acta Mech. Sinica 23, (2)211-216 (Chinese).

[18] L.Y. Li & W.D. Lu (1987): The numerical analyses of free vibrations and responses of rotational shells with ring stiffeners to turbulent wind loading. Vibration and Impact, (2)17-24 (Chinese).

[17] L.Y. Li (1990): Asymptotic analysis of free vibration of cylinders. Vibration and Impact, (2)33-38 (Chinese).

[16] L.Y. Li (1988): Dynamic analyses of composite material plate by using perturbation method. Comput. Struct. Mech. and Appl. 5, (3)61-68 (Chinese).

[15] L.Y. Li & H.R. Chen (1985): A combined energy and weighted residual method for solving the eigenvalue problems in solid mechanics. J. of Appl. Mech. 2, (2)103-107 (Chinese).

[14] W.D. Lu & L.Y. Li (1987): Free vibration analyses of discrete elastically supported structures and a modification of the simplified model. Engineering Mech. 4, (2)7-18 (Chinese).

[13] L.Y. Li (1989): Stability of conical shells with variable thickness. Engineering Mech. 8, (2)8-16 (Chinese).

[12] L.Y. Li & K.X. Zhang (1986): A combined finite element and weighted residual method. Jiangsu Mech., (3)80-86 (Chinese).

[11] L.Y. Li (1986): Stability and vibration analysis of arbitrary varying thickness plates. Shanghai Mech. 7, (2)36-41 (Chinese).

[10] W.D. Lu & L.Y. Li (1987): Dynamic analyses of unhomogenous elastic hyperbolic cooling towers. Shanghai Mech. 8, (2)43-52 (Chinese).

[9] L.Y. Li (1988): Stability theory of structures and applications, Shanghai Mech. 9, (2)71-81 (Chinese).

[8] L.Y. Li & H.R. Chen (1984): Bending and buckling of special supported laminated structures. J. of Dalian Inst. of Tech. 23, (1) (Chinese).

[7] L.Y. Li & H.R. Chen (1984): A generalized Kantrovich method in analysing bending, buckling, and vibration problems of laminated plates. J. of Dalian Inst. of Tech. 23, (4) (Chinese).

[6] L.Y. Li (1985): A trial parameter method for solving five-moments-equation. Mech. & Prac. 7, (4)28-30 (Chinese).

[5] L.Y. Li (1987): A perturbation solution of quadrilateral plates under lateral loads. Mech. & Prac. 9, (A1) (Chinese).

[4] L.Y. Li (1987): Asymptotic solutions of eigenvalues for matrix with more advantageous in diagonal elements. Mech. & Prac. 9, (A1) (Chinese).

[3] L.Y. Li (1987): A minimum potential energy asymptotic principle and its application in analysing large deflection problems of plates. J. of Shanghai Univ. of Tech. 8, (2)158-167 (Chinese).

[2] L.Y. Li (1988): A new method for analysing the stability of stiffened plates and shells. J. of Shanghai Univ. of Tech. 9, (1)57-66 (Chinese).

[1] L.Y. Li & W.D. Lu (1987): Free vibration analysis of axisymmetric shells with locally non-axisymmetric imperfections. J. of Shanghai Univ. of Tech. 8, (2)109-119 (Chinese).

(4) Papers Published in Refereed Conferences

[20] X.T. Chu, L.Y. Li & R. Kettle (2004): Lateral-torsional buckling of cold-formed steel purlins with partial restraint. In: J. Loughlan (ed.): Thin-Walled Structures, Institute of Physics Publishing, Bristol. pp.265-272.

[19] Z. Ye, R. Kettle, L.Y. Li & B. Schafer (2004): Stress and buckling of cold-formed zed-purlins partially restrainted by steel sheeting. In: J. Loughlan (ed.): Thin-Walled Structures, Institute of Physics Publishing, Bristol. pp.259-264.

[18] C. Thornton, Z.M. Ning, C.Y. Wu, M. Nasrullah & L.Y. Li (2001): Contact mechanics and coefficients of restitution. In: T. Poschel & S. Luding (eds.): Granular Gases, Springer, Berlin. pp.184-194.

[17] R. Techchev, L.Y. Li & J.A. Purkiss (2001): Numerical analysis of temperature and pore pressure in intensively heated concrete. In: A. Chan (ed.): ACME'99 The 9th Annual Conference of the Association for Computational Mechanics in Engineering. Birmingham University Press, Birmingham. pp.5-9.

[16] C.Y. Wu, L.Y. Li & C. Thornton (2001): Finite element analysis of the oblique impact behaviour of plastic particles. In: A. Chan (ed.): ACME'99 The 9th Annual Conference of the Association for Computational Mechanics in Engineering. Birmingham University Press, Birmingham. pp.85-89.

[15] L.Y. Li & Y. Wang (2001): Numerical simulations of electrochemical rehabilitation of reinforced concrete structures. Proc. of 2nd International Conference on Engineering Materials. San Jose, California, USA, 16-19 August, 2001. pp.493-504.

[14] L.Y. Li (2000): Computer modelling of electrochemical realkalisation for concrete structures. Proc. of Concrete Communication Conference. Birmingham, UK, 29-30 June, 2000. pp.81-92.

[13] Y. Wang, L.Y. Li & C.L. Page (2000): Efficiency investigation of chloride removal from concrete by using an electrochemical method. Proc. of Concrete Communication Conference. Birmingham, UK, 29-30 June, 2000. pp.223-236.

[12] L.Y. Li (1999): Dynamic buckling of delaminated composite structures. In: D Hui (ed.): ICCE/6 Sixth Annual International Conference on Composites Engineering. Orlando, Florida. pp.481-483.

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