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External Pressure; Chapter 9. The Nonlinear Stability of Semi-Thin Spherical Shell Joints under Uniformly Symmetric Circular Line Loads
Chapter 10. The Influence of Circumferential Weld-Induced Imperfections on the Buckling of Silos and Tanks
Chapter 11. Experimental Techniques for Steel Silo Transition Junctions; Chapter 12. Buckling Strength of T-Section Ringbeams in Steel Silos; Chapter 13. Abnormal Behaviour of a Steel Silo Caused by Paddy Rice Storage; Chapter 14. Bifurcation Buckling of Aboveground Oil Storage Tanks under Internal Pressure; Chapter 15. Buckling of Cylindrical Shells Subjected to Edge Vertical Deformation; Chapter 16. On the Nonlinear Analysis of Shells with Eigenmode-Affine Imperfections
Chapter 17. Postbuckling Analysis of Shells of Revolution Considering Mode Switching and Interaction
Chapter 18. Transition of Plastic Buckling Modes in Cylindrical Shells; Chapter 19. Are the Static Postbuckling Predictions Conservative?; Chapter 20. Plastic Stability of Cylindrical Shells Taking Account of Loading History; Part III: Design and Construction; Chapter 21. Prestressing and Loading Tests on Full-Scale Roof Truss of Shanghai Pudong International Airport Terminal; Chapter 22. Air Mail Centre at Chek Lap Kok
Chapter 23. Composite Design and Construction of a Tall Building-Cheung Kong Center
Chapter 24. The Tallest Building in Mexico City: Torre Mayor, Mexico City, Mexico; Chapter 25. The Use of Triangular Added Damping and Stiffness (TADAS) Devices in the Design of the Core Pacific City Shopping Centre; Chapter 26. Site Measurement of Vibration Characteristics of Shanghai Jin Mao Tower; Chapter 27. Design of Steel Scaffolding by Nonlinear Integrated Design and Analysis (NIDA) and the Stability Function
Chapter 28. Experimental Assessment for Aluminium Alloy Sections in Glass Curtain Walls of Shanghai Jinmao Building

Sommario/riassunto

These two volumes of proceedings contain 9 invited keynote papers and 126 contributed papers to be presented at the Second International Conference on Advances in Steel Structures held on 15-17 December 1999 in Hong Kong. The conference is a sequel to the International Conference on Advances in Steel Structures held in Hong Kong in December 1996. The conference will provide a forum for discussion and dissemination by researchers and designers of recent advances in the analysis, behaviour, design and construction of steel structures. The papers to be presented at the conference cover a wide
