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Institute of Applied Mechanics
Taiyuan University of Technology, Taiyuan, Shanxi, P.R. China

Professional Experience:

10/2000-Present: Professor, Vice Director of Institute of Applied Mechanics, Taiyuan University of Technology. Dynamic Response of Structure under Impact Loadings, Supported by the National Foundation of Science of China

10/1997 - 10/2000: Associate Professor, Vice Director of Institute of Applied Mechanics, Taiyuan University of Technology. Dynamic Buckling of Structures: Theoretical and Experimental, (Hopkinson Bar and Drop-Hammer equipment, Dynamic measurement, Use the assistant software Mathematica 4.0 frequently) Supported by the Fok Ying-Dung Education Foundation. Finite Element Analysis: eta LS-DYNA; Damage Detection of Structures: Vibration method and stress wave method, Supported by the Science Foundation of Shanxi Province. Effect of Stress Wave Propagation on the Dynamic Buckling of Structures: Theoretical and Experimental, Supported by the Fund for Returned Scholar from Abroad of Shanxi

02/1997 - 10/1997: Reserarch Assistant , Department of Civil and Structural Engineering, Hong Kong Polytechnic University. Buckling of Silo and Shell Structures: Theoretical and experimental analysis, Finite Element Analysis

01/1996 - 02/1997: Associate Professor, Institute of Applied Mechanics, Taiyuan University of Technology Dynamic Response of Structure, Chaotic Motion of Elastic-Plastic Structures, Supported by the National Foundation of Science of China

1991-1995: Graduate Research Assistant, Institute of Applied Mechanics, Taiyuan University of Technology. Dynamic Buckling of Elastic-Plastic Cylindrical Shells under Impact Torque, Effect of Stress Wave Propagation on Dynamic Buckling of Structures, Supported by the National Foundation of Science of China

1988-1991: Graduate Research Assistant, Taiyuan University of Technology. Dynamic Buckling of Elastic Circular Cylindrical Shells under Impact Torque (Supported by the National Foundation of Science of China)

1986-1988: Teaching Assistant, China University of Mining, Teaching Solid Mechanics, Finite Element Method, and Thermodynamics

Education:

Ph.D. in Engineering Mechanics, 1995, Taiyuan University of Technology,
M.S. in Engineering Mechanics, 1991, Taiyuan University of Technology,
B.S. in Mechanical Engineering, 1986, Chengdu University of Science and Technology

Honor:

Won the Sixth Fok Ying-Dung Research Foundation, an award bestowed on only one scholar for mechanics each year in China.

Publications:

Book:

Dynamic Elasticity and its Numerical Methods (Chinese), China Architectural Material Industry Publishing Company, Beijing, 193 pages

Selected Journal Papers:

1. Studies on the torsional buckling of elastic cylindrical shells. Applied Math. and Mech. (English Edition), Vol.13, No.3, 1992, 211-216.
2. An experimental study on the static and impact torsional buckling of cylindrical shells. ACTA Mechanica Solida Sinica. (English Edition), Vol.6, No.4, 1993, 429-438.
3. The nonlinear analysis of dynamic buckling of simple modal considering viscous-damping. Engineering Mechanics. (Chinese) (Additional Collections), Oct., 1995
4. The dynamic plastic buckling problem of cylindrical shells under impact torque. Engineering Mechanics. (Chinese) (Additional Collections), Oct., 1995
5. The simple model analysis of the nonlinear elastic buckling problem. Journal of Taiyuan Univ. of Tech. Vol.26, No.2, 1995, 22-27
6. Bifurcation problem caused by propagation of stress in half-finite length bar subjected to axial impact. Explosion and Shock Waves (Chinese), Vol.15, No.4, 1995, 300-306
7. The application of shadow-moire method in the static plastic buckling experiment of cylindrical shells under torsion, Mechanics and Practice (Chinese), Vol.17, No.6, 1995, 40-43
8. Bifurcation problem caused by propagation of stress wave in elastic cylindrical shells under impact torque. Applied Math. and Mech. (English Edition), Vol.17, No.1, 1996, 1-8
- 9 Impact torsional buckling of plastic circular cylindrical shells: Experimental Study. Int. Journal of Impact Engineering. Vol.22, 1999, 531-542
10. Experimental studies on dynamic plastic buckling of circular cylindrical shells under axial impact. ACTA Mechanica Sinica. (English Series), Vol.15, No.3, 1999, 275-282,
11. Elastic buckling of ring-stiffened cone-cylinder intersections under internal pressure, International Journal of Mechanical Sciences, Vol.41, 1999. 1357-1383.
12. Damage detection methods and progress based on vibration measures. Journal of Taiyuan Univ. of Tech. Vol.30, No.5, 1999, 461-468,

13. Basic methods and some progress on the damage detection of structures. *Advances in Mechanics (Chinese)* Vol.29, No.4, 1999, 513-527
14. Dynamic plastic buckling of cylindrical shells under axial impact, *Explosion and Shock Waves (Chinese)*, Vol.20, No.4, Oct. 2000, 343-347
15. Dynamic buckling of elastic bar under axial impact, *Journal of North China Institute of Technology (Chinese)*, Vol.21, No.6, 2000, 478-481
16. Critical Stress of Plated Structures Based on Absorbed Energy, *Journal of North China Institute of Technology (Chinese)*, Vol. 21, No.6, 2000, 502-505
17. Experimental investigation and computer simulation on dynamic plastic buckling of cylindrical shells under axial impact *Journal of Central South University of Technology (Chinese)*, Vol 32, (Additional Collections), 2001, 40-43