



Professor Mohammad Zaman Kabir

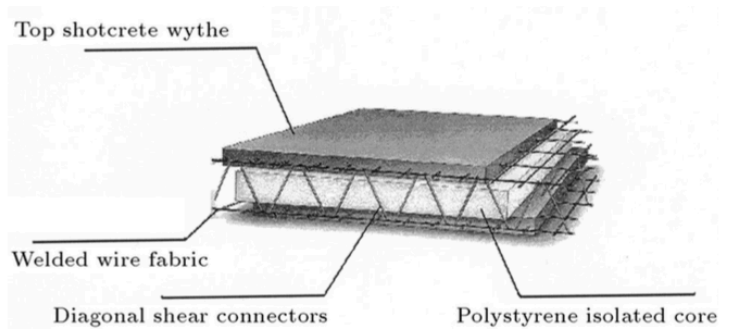


Figure 1. 3-D sandwich panel.

From: Kabir M.Z. (2005) "Structural Performance of 3D sandwich panels under shear and flexural loading", International Journal of Science and Technology, Vol. 12, No. 4, pp. 402-409

See:

<http://www.aut.ac.ir/official/main.asp?uid=mzkabir>

https://www.researchgate.net/profile/Mohammad_Zaman_Kabir

http://civil.aut.ac.ir/Binary/UploadedFiles/2011-01-24/gasbnaifne_Dr_%20Kabir%20c_v.pdf

<https://scholar.google.com/citations?user=6ORoCaUAAAJ&hl=en>

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Amirkabir University of Technology (Tehran Polytechnic), Tehran, Iran

Education:

1991-1995, Ph. D. , University of Waterloo, Waterloo, Canada

1987-1989, M. Sc. , Amikabir University of Technology, Iran

1983-1987, B. Sc. , AmirKabir University of Technology, Iran

Research Interests:

Analysis and design of FRP composite structures, Stability analysis of structures, Analysis and design of lightweight prefabricated structures, Upgrading of RC members with FRP fabric

Selected Publications:

1. Pandey, M. D., Kabir, M. Z. and Sherbourne, A. N. (1995). " Flexural-Torsional Stability of Thin-Walled Composite I-section Beams", Int. J. Composite Engineering, 5(3), pp. 321-342

2. Sherbourne, A. N. and Kabir, M. Z. (1995) " Shear Strain Effects in Lateral Stability of Thin-Walled Fibrous

- Composite Beams” J. Engrg Mechanics, ASCE, 121(5), pp. 640-646
3. Kabir, M.Z. and Sherbourne, A.N. (1998) “ Lateral Torsional Buckling of Post-local Buckled Fibrous Composite Beams”, ASCE, EMD,124(7), pp. 754-764
 4. Kabir M. Z. and Sherbourne A. N. (1997) ” Optimal Fibre Orinetation in Lateral Stability of Laminated Channel Section Beams”, Composites Part B, 29 B, pp. 81-87
 5. Kabir M.Z. and Sherbourne A. N. (1999) ” Shear Strain Effects on Flexure and torsion of Thin-walled Pultruded Composite Beams”, Can. J. Civ. Eng. 26, 852-868
 6. Kabir, M. Z. and Sherbourne, A. N. (1999) “Local Buckling of Thin-Walled Fibre Composite Beams under Transverse Loading” Can. J. Civ. Eng. 26: 107-118
 7. Kabir M.Z. (2000) “Finite Element Analysis of Composite Pressure Vessels with a load sharing Metallic Liner”, Int. J. of Composite Structures, 49 , 247-255
 8. Kabir M. Z. and Naghaei H. (2002) " Non-linear stability analysis of Large span concrete Dome under Gravity Loads", Amir Kabir Scientific Journal (Accepted for publication)
 9. Kabir M. Z. and Moslehitabar A.(2004) " Non-Linear Elastic Stability of Rectangular Frames Under Various Loading, Iranian Journal of Science and Technology, Transaction B: Engineering, Vol. 28, B5, 615-618
 10. Kabir M.Z. and Rahbar, M. R. (2004)” Experimental Relation between Non-destructive Test and Standard Cylinder in shotcrete used in Bearing 3D Wall Panels” Journal of Faculty of Engineering, Vol. 38, No. 2, 251-258
 11. Kabir M.Z. (2005)” Structural Performance of 3D sandwich panels under shear and flexural loading” International Journal of Science and Technology, Vol. 12, No. 4, pp. 402-409
 12. Poorveis D. and Kabir M.Z. (2005) “ Stability Analysis of Ring-Stiffened Laminated Cylindrical Shells under Combined Compression and External Pressure” Journal of Faculty of Engineering, Vol.39, No. 3 pp. 365-374
 13. Kabir, M. Z. and Poorveis, D (2005) “Stability Analysis of Laminated Shells under Combined Axial Compression and Non-Uniform External Pressure”, Journal of Aerospace Science and Technology, Vol. 2, No. 3 pp. 19-28
 14. Kabir, M. Z and Moslehi Tabar Afshin (2005) “ Elastic Post buckling stiffness of Rectangular Frames using Perturbation Techniques”, AmirKabir Journal of Science and Technology, Vol. 16, No. 62 pp. 129-136
 15. Kabir, M.Z. and Hojat Kashani, A. (2006)"Distortional Buckling of Thin-walled Open Section Beams" WSEAS TRANSACTION on MATHEMATICS, Vol. 5, pp. 216-221
 16. Poorveis D. and Kabir M. Z. (2006)” Buckling of Discretely Stringer-Stiffened Composite Cylindrical Shells under Combined Axial Compression and External Pressure”, International Journal of Science and technology, Vol. 13, No. 2, pp113-123
 17. Kabir M. Z., Rezaifar O. and Rahbar M. R. (2007) “ Upgrading Flexural Performance of Prefabricated Sandwich Panels under Vertical Loading”, Structural Engineering and Mechanics, An International Journal, Vol. 26, No. 3 pp. 277-297
 18. Rezaifar O., Kabir M. Z., Taribakhsh M. and Tehranian A. (2006)” Seismic Investigation of Pre-fabricated 3D Panel Building on the Shaking Table”, Journal of University College of Engineering, Vol. 40, No. 5, PP. 637-650
 19. Kabir M. Z. and Khoshhal A. K. (2007)”Upgrading Shear Resistance of Deep RC Beam with CFRP Sheets” Journal of Building Engineering and Housing Science, Vol. 4, No. 9 pp. 29-43
 20. Kabir M. Z. & Kalali A. (2008)" Investigation of Effective Length Factor Method in Satisfying overall Stability of the Structural System", AmirKabir Journal, Vol.19, No.68-C, Fall and Winter 2008
 21. Kabir M. Z. and Hojatkashani Ata (2008) “A Comparison between Finite Element and Analytical Solutions of Interfacial Stress Distribution in a RC Beam Retrofitted with FRP Composites”, International Journal of Science and Technology, Vol.19, No. 68, pp. 55-65

22. Kabir M. Z. and Rojhani Shirazi A. (2008) " Optimum Design of Filament Wound Laminated Conical Shells for Buckling using the Penalty Function" Journal of Aerospace Science and Technology, Vol. 5, No. 3 pp. 115-121
23. Rezaifar O., Kabir M. Z. and Bakhshi A. (2009)" Shaking table test of a 1:2.35 scale 4-story building constructed with a 3D panel system" Int. Journal of Science & Technology" Transaction A: Vol 16, No. 3 pp. 199-215
24. Kabir M. Z. and Vasheghani Farahani R (2009) "Experimental investigation of performance wall to wall connections of 3D panels subjected to lateral cyclic loading" Structural Engineering and mechanics, Vol. 33, No.4 (in press)
25. Kabir M. Z. and Shafei E. (2009) "Analytical and Numerical Study of FRP Retrofitted RC Beams under Low Velocity Impact" Int. Journal of Science and Technology, Transaction A, Vol. 16 No. 5 pp415-428.
26. Kabir M.Z. and Eshaghian M. (2010) "Flexural upgrading of steel concrete composite Girders using externally bonded CFRP reinforcement" Applied Composite Materials, 17: 209-224
27. Kalali A.A and Kabir M. Z.(2010) "Modeling of Unreinforced Brick Walls under In-plane Shear & Compression Loading" , Structural Engineering and Mechanics, Vol.36, No.3, pp.
28. Kabir M. Z. and Seyf A. E. (2010)" Lateral-torsional buckling of retrofitted steel I-beam using FRP sheets", Scientia Iranica, Transaction A: Civil Engineering, (in press)
29. Kabir M. Z. and Shafei E. (2010) "Interactive Instabilities of Thin-Walled Laminated Composite Pultrusion Box Columns", Structural Design of Tall and Special Building, DOI: 10.1002/tal.1653
30. Kabir M. Z. and Nazari A.R. (2010) "Numerical study on reinforcing of thin walled cracked metal cylindrical columns using FRP patch, Scientia Iranica, Transaction A: Civil Engineering, Vol.17, No. 5, pp. 407-414