



Professor Uemit Uzman

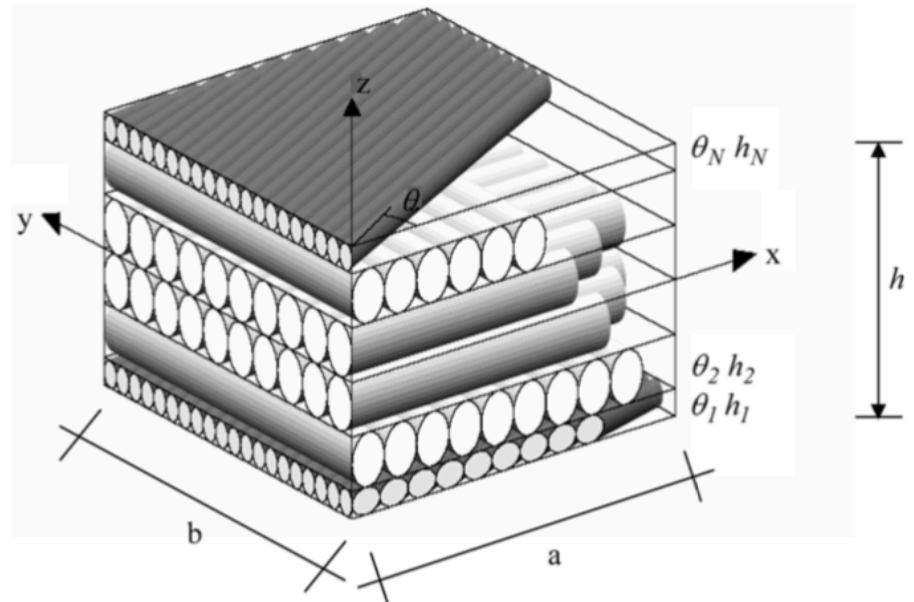


Fig. 1 Structure of a layered laminate plate

From: Umut Topal and Uemit Uzman, "Optimal design of laminated composite plates to maximise fundamental frequency using MFD method", Structural Engineering and Mechanics, Vol. 24, No. 4, pp 479-491, 2006

See:

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

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Selected Publications:

- Umut Topal and Uemit Uzman, "Optimal design of laminated composite plates to maximise fundamental frequency using MFD method", Structural Engineering and Mechanics, Vol. 24, No. 4, pp 479-491, 2006
- Nurcan Asci, Habib Uysal and Uemit Uzman, "Sizing of a spherical shell of variable thickness under dynamic loads", Vibration Problems ICOVP 2005, Springer Proceedings in Physics, Volume 111. ISBN 978-1-4020-5400-6. Springer, 2007, p. 51
- U. Topal, U. Uzman, Optimum design of laminated composite plates to maximize buckling load using MFD method, Thin-Walled Struct, 45 (2007), pp. 660-669 (or pp 356-368)
- Topal U, Uzman Ü (2008) Maximization of buckling load of laminated composite plates with central circular holes using mfd method. Struct Multidisc Optim 35(2):131-139
- Topal U, Uzman U. Thermal buckling load optimization of laminated composite plates. Thin Wall Struct 2008;46(6):667-675.
- U. Topal and Ü. Uzman, Frequency optimization of laminated folded composite plates, Mater. Des. 30(3) (2009) 494-501.
- Topal U, Uzman Ü (2009) Thermal buckling load optimization of angle-ply laminated cylindrical shells. Mater Des 30(3):532-536
- Topal U, Uzman Ü. Thermal buckling load optimization of laminated skew plates. Materials & Design, 2009, 30(7): 2569-2575
- Topal U, Uzman Ü. Effect of rectangular/circular cutouts on thermal buckling load optimization of angle-ply laminated thin plates. Science and Engineering of Composite Materials, 2010, 17(2): 93-110

Topal U, Uzman Ü (2010) Multiobjective optimization of angle-ply laminated plates for maximum buckling load. *Finite Elem Anal Des* 46:273–279