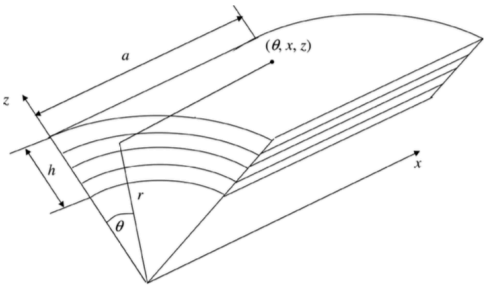

Figure 1 Geometry of laminated shell panel.

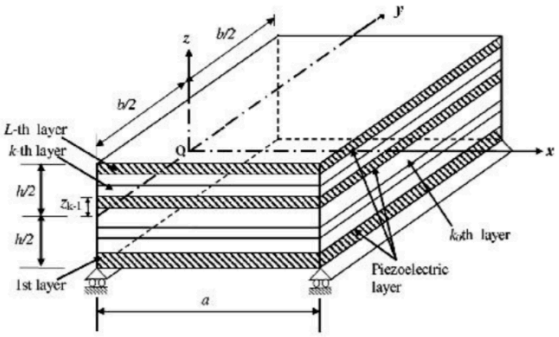

Fig. 1: Geometry of a hybrid plate

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The middle image above is from: P.C. Dumir, J.K. Nath, P. Kumari, and S. Kapuria, Improved efficient zigzag and third order theories for circular cylindrical shells under thermal load, J. Therm. Stresses, vol. 31, pp. 343–367, 2008.
The right-most image above is from: P. Kumari and S. Kapuria, "Extended Kantorovich 3D solution and performance of 2D laminate theories for edge effects in smart piezolaminated structures", Proceedings of the Indian National Science Academy, Vol 79, No. 4, Part A, pp 575-585, December 2013

See:
http://www.iitg.ac.in/clst/12natfoe/poonam.html
https://scholar.google.com/citations?user=9W6UR3YAAAAJ&hl=en
https://www.researchgate.net/profile/Poonam_Kumari20

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Brief Introduction:

Dr. Poonam Kumari completed her Masters and Ph.D in solid mechanics from department of Applied Mechanics of IIT Delhi. She worked as Postdoctoral Fellow at School of Engineering of Simon Fraser University, BC Canada. Presently working as Assistant Professor at Department Mechanical Engineering of IIT Guwahati. She developed various 3D models and 2D models for analysis of piezoelectic plates and shells. Recently, she received INAE Young Engineer –2017 Award. She published 26 papers in reputed International Journals and almost 30 papers in International conferences. She has developed Moocs course on theory of rectangular plates. This course is recommended by AICTE for faculty development programme.

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