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Mechanical Engineering

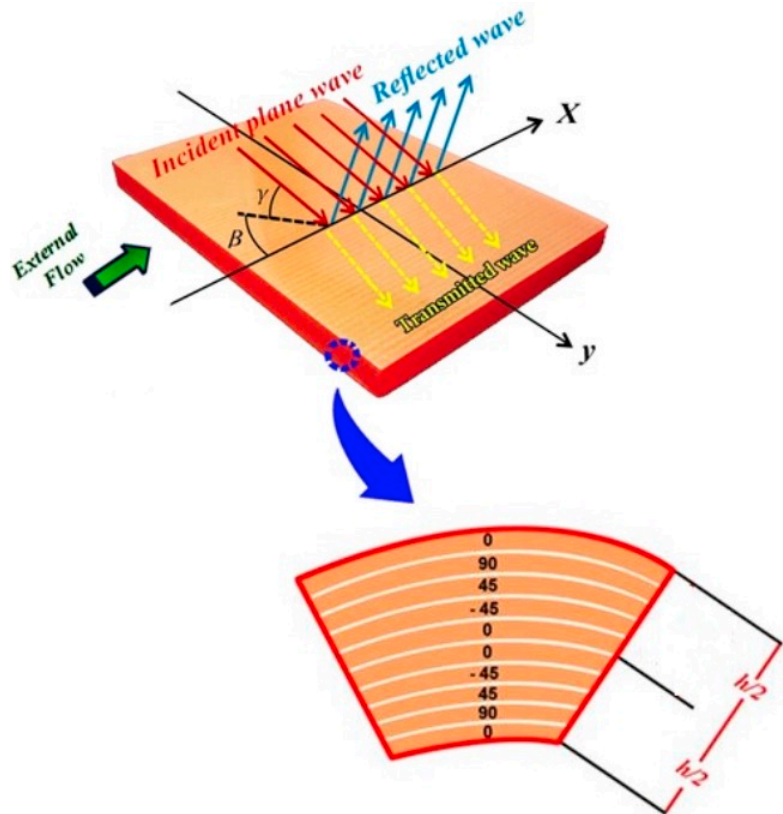
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**Selected Publications:**

R. Talebitooti and M.R. Zarastvand, “The effect of nature of porous material on diffuse field acoustic transmission of the sandwich aerospace composite doubly-curved shell”, *Aerospace Science and Technology*, Vol. 78, pp 157-170, July 2018

Roohollah Talebitooti, Vahid Johari and Mohammadreza Zarastvand, “Wave transmission across laminated composite plate in the subsonic flow investigation two-variable refined plate theory”, *Latin American Journal of Solids and Structures*, Vol. 15, No. 5, 2018

R. Talebitooti and M.R. Zarastvand, “Vibroacoustic behavior of orthotropic aerospace composite structure in the subsonic flow considering the third order shear deformation theory”, *Aerospace Science and Technology*, Vol. 75, pp 227-236, April 2018



**Figure 1:** Schematic diagram of a ten-layered composite plate.

From: Roohollah Talebitooti, Vahid Johari and Mohammadreza Zarastvand, “Wave transmission across laminated composite plate in the subsonic flow investigation two-variable refined plate theory”, *Latin American Journal of Solids and Structures*, Vol. 15, No. 5, 2018

R. Talebitooti, H.D. Gohari and M.R. Zarastvand, "Multi objective optimization of sound transmission across laminated composite cylindrical shell lined with porous core investigating non-dominated sorting genetic algorithm", *Aerospace Science and Technology*, Vol. 69, pp 269-280, October 2017

K. Daneshjou, R. Talebitooti and M. Kornokar, "Vibroacoustic study on a multilayered functionally graded cylindrical shell with poroelastic core and bonded-unbonded configuration", *Journal of Sound and Vibration*, Vol. 393, pp 157-175, April 2017

Amir Najibi and Rouhollah Talebitooti, "Nonlinear transient thermo-elastic analysis of a 2D-FGM thick hollow finite length cylinder", *Composites Part B: Engineering*, Vol. 111, pp 211-227, February 2017

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Mohammad Hassan Shojaeefard, Roohollah Talebitooti, Reza Ahmadi and Mohammad Reza Gheibi, "Sound transmission across orthotropic cylindrical shells using third-order shear deformation theory", *Latin American Journal of Solids and Structures*, Vol. 11, No. 11, pp 2039-2072, 2014

K. Daneshjou, M. Talebitooti and R. Talebitooti, "Free vibration and critical speed of moderately thick rotating laminated composite conical shell using generalized differential quadrature method", *Applied Mathematics and Mechanics*, Vol. 34, No. 4, pp 437-456, April 2013

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M.H. Shojaeifard, H.R. Zarei, R. Talebitooti and M. Mehdikhanlo, "Bending behavior of empty and foam-filled aluminum tubes with different cross-sections", *Acta Mechanica Solida Sinica*, Vol. 25, No. 6, pp 616-626, December 2012

K. Daneshjou, H. Ramezani and R. Talebitooti, "Wave transmission through laminated composite double-walled cylindrical shell lined with porous materials", *Applied Mathematics and Mechanics*, Vol. 32, No. 6, pp 701-718, June 2011

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K. Daneshjou, A. Nouri and R. Talebitooti, "Sound transmission through laminated composite cylindrical shells using analytical model", *Archive of Applied Mechanics*, Vol. 77, No. 6, pp 363-379, June 2007

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