

Professor Lazreg Hadji

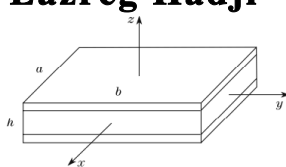


Fig. 1 Geometry of the rectangular FGM sandwich plate with uniform thickness in rectangular Cartesian coordinates

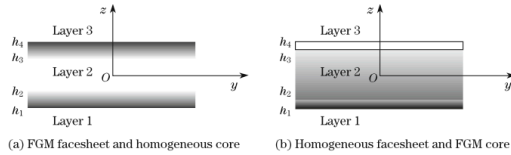


Fig. 2 Material variation along thickness of FGM sandwich plate

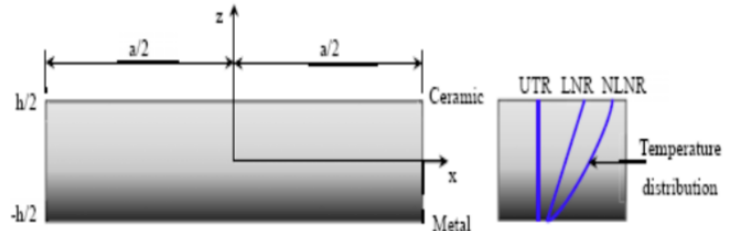


Fig. 1 Geometry and coordinate of a FG beam

The left-hand image is from: L. Hadji, H.A. Atmane, A. Tounsi, I. Mechab and E.A. Adda Bedia, "Free vibration of functionally graded sandwich plates using four-variable refined plate theory", *Applied Mathematics and Mechanics (English Edition)*, VVol. 32, No. 7, pp 925-942, 2011

The right-hand image is from: Abdelkader Safa, Lazreg Hadji, Mohamed Bourada and Nafissa Zouatnia, "Thermal vibration analysis of FGM beams using an efficient shear deformation beam theory", *Earthquakes and Structures*, VOL. 17, No. 3, pp 329-336, 2019

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