



Professor Reza Shahsiah

The image above is from: R. Shahsiah, K. M. Nikbin, M. R. Eslami, Thermal Buckling of Functionally Graded Beams, Iranian Journal of Mechanical Engineering (Transactions of the ISME), Vol. 10, No. 2, 2009. The caption is: Figure 2 Variation of the thermal buckling temperature versus FGM parameters k and m ($h/L = 0.05$, uniform temperature rise).

See:

<http://faculty.iauctb.ac.ir/r-shahsiah-mech/en>

https://www.researchgate.net/scientific-contributions/2002687983_R_Shahsiah

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Selected Publications:

H. Yaghoobi, A. Fereidoon, R. Shahsiah, Thermal Buckling of Axially Functionally Graded Thin Cylindrical Shell, Journal of Thermal Stresses, Vol. 34, No. 12, pp 1250-1270, 2011, USA

R. Shahsiah, M. R. Eslami, M. Sabzikar Boroujerdy, Thermal Instability of Functionally Deep Spherical Shell, Journal of Archive Applied Mechanics, Vol. 81, No. 10, pp 1455-1471, 2011

R. Shahsiah, A General Form Solution for Elastic Buckling of Thin Cylinders Made of FGM under Axial Loading, Iranian Journal of Mechanical Engineering (Transactions of the ISME), Vol. 12, No. 2, 2011

R. Shahsiah, K. M. Nikbin, M. R. Eslami, Thermal Buckling of Functionally Graded Beams, Iranian Journal of Mechanical Engineering (Transactions of the ISME), Vol. 10, No. 2, 2009

R. Shahsiah, M. R. Eslami, R. Naj, Thermal Instability of Functionally Graded Shallow Spherical Shell, Journal of Thermal Stresses, Vol. 29, No. 8, pp 771-790, 2006, USA

Mirzavand, B., Eslami, M. R., and Shahsiah, R., "Thermal Buckling of Imperfect Functionally Graded Cylindrical Shells Based on The Wan-Donnell Model", Journal of Thermal Stresses, Vol. 29, No. 1, pp. 37-55, (2006).

B. Mirzavand, M. R. Eslami, R. Shahsiah, Effect of Imperfections on Thermal Buckling of Functionally Graded Cylindrical Shells, AIAA Journal, Vol. 43, No. 9, pp 2073-2076, 2005, USA

R. Shahsiah, M. R. Eslami, Functionally Graded Cylindrical Shell Thermal Instability Based on Improved Donnell Equations, AIAA Journal, Vol. 41, No. 9, pp 1819-1826, 2003, USA

R. Shahsiah, M. R. Eslami, Thermal buckling of functionally graded cylindrical shell, Journal of Thermal Stresses, Vol. 26, No. 3, pp 277-294, 2003, USA

R. Shahsiah, M. R. Eslami, Thermal and Mechanical Buckling of Imperfect Shallow Spherical Cap, Journal of Thermal Stresses, Vol. 26, No. 7, pp 723-737, 2003, USA

Shahsiah, R., and Eslami, M.R., Thermal Instability of Rings made of Functionally Graded Materials, Proc. ASME-ESDA Conf., Istanbul, Turkey, July 2002.

M. R. Eslami, R. Shahsiah, Thermal Buckling of Imperfect Cylindrical Shells, Journal of Thermal Stresses, Vol. 24, No. 1, pp 71-89, 2001, USA