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Selected Publications:

- H.R. Ovesy, S.A.M. GhannadPour and G. Morada, “Geometric non-linear analysis of composite laminated plates with initial imperfection under end shortening, using two versions of finite strip method”, *Composite Structures*, Vol. 71, Nos. 3-4, December 2005, pp. 307-314
- Ghannadpour, S.A.M., Najafi, A. and Mohammadi, B. 2006. On the buckling behavior of cross-ply laminated plates due to circular/elliptical cutouts, *Composite Structures*, 75: 3-6.
- GhannadPour, S. A. M., Alinia, M. M. (2006). Large deflection behavior of functionally graded plates under pressure loads. *Composite Structures* 75:67–71.
- Ovesy, H.R., GhannadPour, S.A.M., 2006. Geometric non-linear analysis of imperfect composite laminated plates, under end shortening and pressure loading, using finite strip method. *Composite Structures* 75, 100–105.
- H.R. Ovesy, S.A.M. GhannadPour and G. Morada, “Post-buckling behavior of composite laminated plates under end shortening and pressure loading, using two versions of finite strip method”, *Composite Structures*, Vol. 75, Nos. 1-4, September 2006, pp. 106-113
- Ovesy, H. R., Ghannadpour, S. A. M. (2007). Large deflection finite strip analysis of functionally graded plates under pressure loads. *International Journal of Structural Stability and Dynamics* 7:193-211.

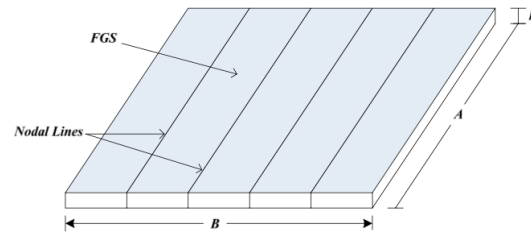


Figure 1. Discretization of a rectangular FGP

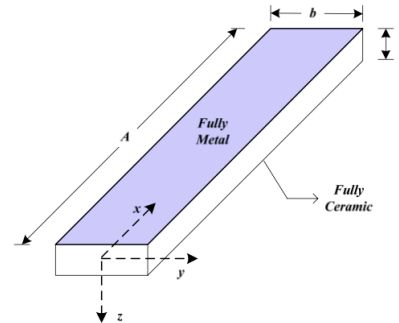


Figure 2. A Typical FGS

From: H.R. Ovesy, S.A.M. Ghannadpour and M. Nassirnia, (2012), “Thermal postbuckling behaviour of rectangular functionally graded plates using the finite strip method”, Paper 51, Proceedings of the 11th International Conference on Computational Structures Technology, edited by B.H.V. Topping, Civil-Comp Press, Scotland

S.A.M. Ghannadpour and H.R. Ovesy, "An exact finite strip for the calculation of relative post-buckling stiffness of I-section struts", *International Journal of Mechanical Sciences*, Vol. 50, No. 9, September 2008, pp. 1354-1364

S.A.M. Ghannadpour and H.R. Ovesy, "The application of an exact finite strip to the buckling of symmetrically laminated composite rectangular plates and prismatic plate structures", *Composite Structures*, Vol. 89, No. 1, June 2009, pp. 151-158

Alinia, M. M., Ghannadpour, S. A. M. (2009). Nonlinear analysis of pressure loaded FGM plates. *Composite Structures* 88:354–359

Ovesy H.R., Ghannadpour S.A.M., Sherafat M.H.: Buckling analysis of laminated composite plates using higher order semi-analytical finite strip method. *Appl. Compos. Mater.* 17, 69–80 (2010)

Ovesy HR, Loughlan J, Ghannadpour SAM (2010) An investigation on the post-local-buckling analysis of I-section struts using finite strip method. *Adv Steel Constr* 6(1):662–677

Ghannadpour, S. A. M., Ovesy, H. R., Nassirnia, M. (2012). Buckling analysis of functionally graded plates under thermal loadings using the finite strip method. *Computers and Structures* 108(109):93–99.

H.R. Ovesy, S.A.M. Ghannadpour and M. Nassirnia, (2012), "Thermal postbuckling behaviour of rectangular functionally graded plates using the finite strip method", Paper 51, Proceedings of the 11th International Conference on Computational Structures Technology, edited by B.H.V. Topping, Civil-Comp Press, Scotland

Oversy H. R, Ghannadpour S. A. M, Zia-Dehkordi E. "Buckling analysis of moderately thick composite plates and plate structures using an exact finite strip." *Composite Structures* 95(2013): 697-704

M. H. Sherafat, H. R. Ovesy and S. A. M. Ghannadpour, "Buckling Analysis of Functionally Graded Plates under Mechanical Loading Using Higher Order Functionally Graded Strip", *International Journal of Structural Stability and Dynamics*", May 2013

S.A.M. Ghannadpour, H.R. Ovesy and E. Zia-Dehkordi, "Buckling and post-buckling behaviour of moderately thick plates using an exact finite strip", *Computers & Structures*, Vol. 147, pp 172-180, January 2015

H.R. Ovesy, S.A.M. Ghannadpour and M. Nassirnia, "Post-buckling analysis of rectangular plates comprising Functionally Graded Strips in thermal environments", *Computers & Structures*, Vol. 147, pp 209-215, January 2015

S.A.M. Ghannadpur and M. Barekati, "Initial imperfection effects on post-buckling response of laminated plates under end-shortening strain using Chebyshev techniques", *Thin-Walled Structures*, Vol. 106, pp 484-494, September 2016

H.R. Ovesy, E. Zia-Dehkordi and S.A.M. Ghannadpour, "High accuracy post-buckling analysis of moderately thick composite plates using an exact finite strip", *Computers & Structures*, Vol. 174, pp 104-112, October 2016