Nov 04, 2020

To

Professor Pol D. Spanos

Editor-in-Chief

Journal of Composites Structures

Dear Professor,

# I would like to submit our manuscript entitled “Geometrically nonlinear bending analysis of multilayered composite plate using C0 finite element framework” for consideration as research article in International Journal of Non-Linear Mechanics.

# In this paper, a rigorous study of polynomial and nonpolynomial shear deformation theory for the geometrically nonlinear static analysis of multilayered composite plate has been carried out. The Green-Lagrange and von Karman strain-displacement relations are employed and the need to consider full geometric nonlinearity is emphatically highlighted for different boundary conditions.

# Also, the work employs C0 continuity finite element method which need to be solved using penalty approach. The effect of penalty constant is extensively studied and a definite conclusion is arrived about the same.

# We do confirm that this work is original and has not been published elsewhere nor is it currently under consideration for publication elsewhere. All authors have approved the manuscript and agree with its submission to Journal of Composites Structures.

# We look forward to your editorial decision on this manuscript. Thank you for your time and consideration.

# Your sincerely

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