عنوان مقاله:

Free Vibration Analysis of Composite Sandwich Plates

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خلاصه مقاله:

In this study, the fundamental frequencies of symmetrically laminated composite angle-ply plates (/-/-/) subjected to uniaxial compressive loads are maximized with respect to fibre orientations. The first-order shear deformation (FSDT) theory is used for finite element analysis of laminated plates. Modified Feasible Direction (MFD) method is used for the optimization routine. Finally, the significant effects of plate aspect ratios, compressive load and boundary conditions on the results are demonstrated and the results are compared

کلمات کلیدی:

Composite sandwich plates; Free vibration; Finite element solution

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