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Abstract

This paper presents buckling studies made on skew plates using finite element. The effects of the skew angle, aspect ratio, length-to-thickness-ratio, fibre orientation angle, and numbers of layers in the laminate and laminate sequence on the critical buckling load factor (Kcr) of antisymmetric composite laminates have also been presented. The critical buckling load factor (Kcr) is found to increase with the skew angle. When the number of layers in the laminate is large, the variation of critical buckling load factor (Kcr) with the number of layers is not appreciable.

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Index Terms

Computer Science

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Keywords

Skew Plates; Antisymmetric Laminates; Buckling; Finite Element