

## عنوان مقاله:

Buckling Analysis of Composite Lattice Cylindrical Shells with Ribs Defects

## محل انتشار:

ماهنامه بین المللی مهندسی، دوره 26، شماره 4 (سال: 1392)

تعداد صفحات اصل مقاله: 9

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## خلاصه مقاله:

In this paper, the buckling behavior of a composite lattice cylindrical shell is studied and effects of rib defects on the distribution of stress field and buckling response of the shell is investigated. A threedimensional finite element buckling analysis of the lattice shell is carried out using ANSYS suit of program. Geometrical data and material properties of the shell are obtained from the specimens made by filament winding method. Effects of various parameters including the geometrical ratios and defects of ribs on buckling response of the shell are studied. Buckling loads of composite lattice cylindricalshells under axial and shear forces are obtained experimentally and the results are compared with finite element results

## کلمات کلیدی:

Composite, Cylindrical Shell, Buckling, Rib Defect, Finite Element

## لینک ثابت مقاله در پایگاه سیویلیکا:

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