

عنوان مقاله:

Cell Vertex and Cell Centred Finite Volume Methods for Stress Analysis

محل انتشار:

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خلاصه مقاله:

Finite volume formulations for analysis of elastic solid under mechanical loads are presented in this paper. Two types of finite volume approach are presented as cell vertex based and cell centred finite volume methods. The formulations are then compared against two benchmark problems. The results reveal both approaches are capable to predict analytical results, although they show different capabilities in these two different problems.

کلمات کلیدی:

Cell centred, cell vertex, finite volume, stress

لینک ثابت مقاله در پایگاه سیویلیکا:

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