عنوان مقاله:

Linear Elastic Analyses of Masonry Walls with a Developing Finite Element Code

محل انتشار:

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خلاصه مقاله:

Linear elastic analyses is the most practical approach for the limited time consume and simple structures. This approach also gives an idea on the region of probable cracks on the structures. This paper presents a finite element code, developing by the writers to analyze some 2D and 3D masonry walls and structures under linear elastic assumptions. Some case studies have been performed with the developing code and repeated them with another finite element software package by using the same modeling data to control the results. Also some useful information about linear elastic theory is given.

کلمات کلیدی:

Finite element analyses, masonry walls, linear elastic behavior, matlab coding