عنوان مقاله:

Proposed Algorithm to Accelerate the Anisotropic Rankine-Hill Model in Nonlinear Analysis of Masonry Structures

محل انتشار:

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خلاصه مقاله:

In order to analyze the masonry structure with large number of unit and joint, usage of the macro- modeling is un-avoidable. An accurate analysis of masonry structures in a macro-modeling per-spective requires a material description for all stress states. Difficulties arise especially due to the fact that almost no comprehensive experimental results are available (either for pre- and post-peak behavior), but also due to the intrinsic complexity of formulating anisotropic inelastic behavior. Only a few authors tried to develop specific macro-models for the analysis of masonry structures, in which anisotropic elasticity is combined with anisotropic inelastic behavior. In this paper, the Rankine-Hill macro-model detailed in practical user code, with purpose the accelerate localized solutions of nonlinear analysis in masonry structure

کلمات کلیدی:

Masonry structure, Nonlinear analysis, Macro-model, Proposed Algorithm