

## عنوان مقاله:

(Determination of the capacity curve of a concrete building with a nonlinear static analysis method (Pushover)

## محل انتشار:

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## خلاصه مقاله:

The ۲۸۰۰ standard is used as the main reference for the seismic design of structures in Iran. Structural analysis methods consist of two groups of linear and nonlinear analyzes that each has different parts. In this regard, the nonlinear static analysis method (Pushover) is applicable in accordance with the existing code. In this method, the capacity curve, which indicates the changes of the basic shear relative to the structure of the roof's displacement. In this paper, we have investigated how to determine the capacity curve of a three-storey residential building with a bending frame system in two main directions, based on the fourth edition of the ۲۸۰۰ standard. The ۲۸۰۰ standard is used as the main reference for the seismic design of structures in Iran. Structural analysis methods consist of two groups of linear and nonlinear analyzes that each has different parts. In this regard, the nonlinear static analysis method (Pushover) is applicable in accordance with the existing code. In this method, the capacity curve, which indicates the changes of the basic shear relative to the structure of the roof's displacement. In this paper, we have investigated how to determine the capacity curve of a three-storey residential building with a bending frame system in two main directions, based on the fourth edition of the ۲۸۰۰ standard.

## کلمات کلیدی:

Capacity curve, Capacity curve, static nonlinear analysis, Pushover, seismic design, ۲۸۰۰ standard

## لینک ثابت مقاله در پایگاه سیویلیکا:

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