PROPOSED METHOD OF STATE BASED PUSHOVER ANALYSIS

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Abstract:
Pushover curve is used as a useful tool in structural engineering for the determination and imposition of dynamic characteristics of structures using nonlinear static analysis. This paper proposes a state based philosophy for pushover analysis. The transition between the original (intact) and the destination (failure) states is considered in this approach. The effectiveness of the proposed method is verified using mathematical logics and comparison of results with those available in the literature.

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