

عنوان مقاله:

CRITERIA FOR THE LARGE DEFLECTION OF CANTILEVER BEAMS SUBJECTED TO UNIFORM LOAD

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خلاصه مقاله:

In this paper, a criterion is presented to determine the deflection behaviour of a cantilever beam subjected to a uniformly distributed load. This criterion is determined based on solution of governing equations of beam deflection using perturbation method. Utilizing this criterion it can be identified that bending cantilever beams subjected to uniformly distributed load can be analyzed as rigid beams with small deflection or must be analyzed as reflective ones .with large deflection

کلمات کلیدی:

Large deflection, perturbation method, cantilever beams

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