

보의 비선형변형을 해석하기 위한 이산요소법 기반 부분유연모델의 적용

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In this paper, the deflection of cantilever beam and the deflection of fixed-hinged beam under the external concentrated load, are analyzed by partially flexible model based on discrete element method. To validate the partially flexible model, static deflection of beam and the frequency of the beam are compared with the theoretical results of beam deflection and FEM results. DEM results shows a good agreement with the results of theory and FEM.