

عنوان مقاله:

RC Wide Beam-Column Joints with Continuous and Discontinuous Column under Seismic Loads

محل انتشار:

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خلاصه مقاله:

Because of complicated behavior of concrete, hysteresis response of reinforced concrete structures can not be achieved simply by most of the softwares. Since VecTor2 is a 2 dimensional software for analyzing reinforced concrete structures, wide beam-column joints with transverse beams tested by the authors and their colleagues were modeled in this software to evaluate accurate capturing the nonlinear cyclic response of them. Default constitutive models were used in most of the cases to evaluate VecTor2 program for simple modeling. Results showed that seismic behavior of exterior and interior wide beam-column joints with continuous or discontinuous column can be achieved from VecTor2 program accurately.

کلمات کلیدی:

Wide beam-column joint, finite element analysis, VecTor2 program, smeared rotating crack, hysteresis response

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