عنوان مقاله:

Numerical Evaluation of Seismic and Hysteretic Behavior of High Strength Concrete Columns

محل انتشار:

دومین کنفرانس بین المللی و ششمین کنفرانس ملی زلزله و سازه (سال: 1394)

تعداد صفحات اصل مقاله: 10

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خلاصه مقاله:

Progress of design and construction technology of high-rise structures and essential need forhigh-strength materials to provide required seismic demand makes the role of high strengthconcrete (HSC) undeniable. Current study deals with the use of HSC in strength and ductilityestimation of reinforced concrete (RC) columns made with. In order to evaluate the seismicbehavior of the columns, cantilever models are subjected to monotonic and cyclic lateraldisplacements. Since the energy dissipation capacity and maximum drift ratio in a seismicresistantstructural .member is more important, therefore use of columns with a ductileresponse is appropriate

کلمات کلیدی:

Seismic Behavior, HSC, Column, Hysteretic Behavior, Axial Loading, Lateral Loading