

## عنوان مقاله:

EXPERIMENTAL STUDY ON SHORT CONCRETE COLUMNS STRENGTHENING BY COMPOSITE FIBERS

## محل انتشار:

سومین کنفرانس بین المللی بتن و توسعه (سال: 1388)

تعداد صفحات اصل مقاله: 6

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## خلاصه مقاله:

Nowadays, the concrete structures are strengthening in several ways. One of these ways that has drawn considerable attentions in the recent years is using composite fibers (FRP) in concrete structures strengthening. There have been many studies on the effects of these fibers on resistance and ductility of the structures. The present study intends to focus on the effects of two types of composite fibers, Carbonic and glass fibers, with three different arrangements that are being currently used in strengthening of the columns. At first, we referred to how the samples have been developed, and then introduce the arrangements that are being used. The results indicate that strengthening the short columns by carbonic composite fibers with complete wrapping which is perpendicular to the direction of loading, along the fibers; have the highest effect on the resistance and formability

## کلمات کلیدی:

composite fibers, short concrete columns, structure strengthening, confinement CFRP, GFRP

## لینک ثابت مقاله در پایگاه سیویلیکا:

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