

بيانات عن بحث (٥) مقدم للترقية

عنوان البحث (باللغة التي نشر بها) :

Behavior of Strengthened R.C Flat Slab with Different Shapes of Openings, with Fiber Reinforced Polymers

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ملخص البحث باللغة الانجليزية

Behavior of Strengthened R.C Flat Slab with Different Shapes of Openings, with Fiber Reinforced Polymers

The objective of this research was to investigate the feasibility of strengthening of reinforced concrete flat slab with openings with different sizes using CFRP laminates under uniform distributed load. The study program was used to explore experimentally the effect of opening size on the behavior of CFRP strengthened of flat slabs. Three main groups were used in this Study, 1st group was flat slabs without opening and it's called reference group, 2nd group was flat slabs with opening in columns strips and without strengthened, 3rd group was flat slabs with opening on column strips and strengthened by CFRP. A comparison between ultimate loads and displacements were done between three groups as well as crack shapes of three groups.