

## عنوان مقاله:

SPECTRAL ACCELERATION AMPLIFICATION EFFECTS ON THE PERFORMANCE POINT OF STEEL INDUSTRIAL STRUCTURES WITH OVERHEAD CRANES

## محل انتشار:

دومین کنفرانس ملی پژوهش های کاربردی در مهندسی عمران (مهندسی سازه و مدیریت ساخت) (سال: 1396)

تعداد صفحات اصل مقاله: 6

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## خلاصه مقاله:

Due to development of the construction of industrial steel structures containing overhead cranes and by realizing that almost none of the aseismic codes in the world have any notification about special structures of this kind, the importance of studying the seismic behaviour of this kind of structures becomes evident. In this research, the overall structural behaviour and Performance Point determination bases are briefly described. Later, 3 existing models of industrial steel structures with overhead cranes, which are previously analysed and designed by the author of this paper, are selected. Equivalent Linear Static Analyses and structural design of models are completed according to ASCE 7-10, AISE (Association of Iron and Steel Engineers) and SNIP II-6.02 Armenian Seismic Code, considering 4 soil categories of Rock (800

## کلمات کلیدی:

Industrial Steel Structures, Overhead Cranes, Modal Pushover Analysis, Performance Point, Capacity Curve

## لینک ثابت مقاله در پایگاه سیویلیکا:

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