

عنوان مقاله:

INFLUENCE OF RUBBER GRANULES CONTENT ON THE ISOLATION RESPONSE OF AN IN-FILLED BARRIER WALL

محل انتشار:

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نویسندگان:

Mehrnoosh Feizy - M.Sc. Student, Department of Civil Engineering, University of Kashan, Kashan, Iran

Ali Mirzaii - Assistant Professor, Department of Civil Engineering, Faculty of Engineering, University of Kashan, Kashan, Iran

خلاصه مقاله:

This paper represents the results of an experimental study on the effectiveness of a soil-rubber mixture wave barrier to reduce ground vibrations. To this end, the in-filled trenches were constructed by means of mixing of a sand soil with a range of rubber mixtures to isolate a 2D three story steel frame against the ground vibrations transmitted by a mechanical device inside a small-scale laboratory box. Accordingly, the optimum condition associated to the soil-rubber mixture was determined, and it was used to examine the influence of barrier wall thickness and depth in isolating the ground vibrations

کلمات کلیدی:

Reduction Ratio, Wave Barrier, Vibration Isolation, Ground Vibration, Soil-Rubber Mixture

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