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A method for the evaluation of the seismic vulnerability of fortified structures (Conference Paper)

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Abstract

In the paper a prompt method to evaluate the seismic vulnerability of a fortified structure is developed, based on the elaboration of rather gross data about the state, the consistency and the history of the considered population of the fabric. Moreover the procedure is applied to some study cases relevant to the recent quake in Abruzzo (Italy) and is proved to be rather effective and able to produce reliable results, despite the poor initial data. © 2010 Taylor & Francis Group, London.

Indexed keywords

Seismic vulnerability; Study case

Engineering controlled terms: Seismology

Engineering main heading: Population statistics

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