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Shaking table tests on strengthening of masonry structures against earthquake hazard

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Abstract. Turkey and neighborhood countries like Greece and Iran situated on an active earthquake region. Masonry type structures common on these countries, especially on the rural areas. During t earthquakes, several masonry type houses were collapsed, causir life and property. Strengthening methods of masonry houses were discussed in this study. The paper summarizes the results of a experimental programme carried out on models, scaled 1/10, of on masonry buildings. First specimen tested was the reference specin used for comparison purposes. Other specimens contained several strengthening strategies. A total of 9 specimens were tested. The allow to assess the efficiency of the various strengthening techniq employed.

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