

عنوان مقاله:

An Experimental Investigation into the Mechanical Properties of Brick Vaults and Adobe Piers- A Historical Case Study

محل انتشار:

هشتمین کنگره بین المللی مهندسی عمران (سال: 1388)

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خلاصه مقاله:

Mechanical properties of masonry as a composite are strongly dependent upon the properties of its constituents. A comprehensive research study on the seismic behaviour of a masonry vault belongs to a historical building located in Yazd city has been carried out at the Yazd University, Iran. In this paper, the mechanical properties of brick vaults and adobe piers which are estimated by testing are reported. These results are employed for numerical investigation. The mechanical properties of units and mortars are also determined for comparing with the prism properties.

کلمات کلیدی:

units, mortar, prism, compressive strength, tensile strength

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