
Engineering research of castle masonry

No.2 Stability of masonry

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No materials for adhesion such as plaster are used in the masonry of castles in Japan, which is stable due to the meshing and friction between the stones. In this study, we investigated the effects of friction between stones and the structural characteristic of masonry on stability. The deformation of the masonry due to earthquakes was also examined by a large shaking table experiment and a field survey. The results of these studies can be effectively used in the engineering evaluation of masonry with cultural property value.
