

Seismic Stability of Individual Houses From Local Clay Materials



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ABSTRACT

The seismic stable constructions with using local materials are investigated. The dynamics was studied and determined seismic loads of the one-story houses are built with using the spatial accounting scheme and method of final elements.

The dynamic behaviour of the houses with account and without account of dissipation of energy in resonance regime was considered. The seismic stable loads and tense-deformed state of the buildings, constructed with using of clay materials, were determined.

KEY WORDS :

local materials, seismic stability, method of final elements, own fluctuation, walls from clay materials