

PECULIARITIES OF THE SEISMIC INTENSITY MANIFESTATION IN UZBEKISTAN

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The natural and historical conditions of Uzbekistan, composition, deformation, strength, and seismic properties of rocks, character of distribution and manifestation of the natural and technogenous processes are studied. As a result the general and particular regularities of the seismic intensity manifestation are determined. The general regularities of the seismic intensity variations are connected with the geologo-tectonic conditions, relief, regional peculiarities of subsoil waters, character of distribution of the geologo-lithological and age types of the loess grounds. The local regularities of the seismic intensity variations are connected with the influence of the engineering and economic activity of men on the geological surroundings. It is determined that in the places where the natural conditions of the territory are not subjected to the technogenous influence values of the seismic intensity increment are 0 and sometimes +0.5. On the territories subjected to landslides with inclination of relief more than 10 degrees and on the territories formed by subsident loess grounds values of the increment are +0.5 and +1.0. On the territories considerably changed by the technogenous factors - +0.5, +1.0, and +1.5.