

BEHAVIOR OF SUBMERGED STRUCTURES UNDER SEISMIC LOAD CONDITIONS

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Abstract: The paper briefly described numerical model for submerged structures under seismic load condition. The applied material model's primary purpose is the simulation of fluid-structure interaction in seismic conditions. It includes the most important nonlinear effects of fluid and structure. Some model's possibilities are illustrated on seismic behavior of underwater oil tank of "Khazzan" type.

Keywords: submerged structures, numerical model, fluid-structure interaction, concrete yielding.



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