

APPLICATION TIME ADAPTIVE STEP TO ANALYSIS OF CONCRETE PRESSURE ON DYNAMIC LOADING

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Summary

Currently, the issue of improving the accuracy and stability of the FEM method is being considered by many scientists. Furthermore, for the FEM problem, solving the structural problem under the influence of normal dynamic loads defines a step of the time of the oscillation process being a constant. It is the regulation of this constant that will lead to unnecessary errors in the solution process. This paper is based on controlling the energy error of the stress field to adjust the time step used in the lesson. oscillation math. The results of this study aim to correct the solution of the FEM problem for the behavior of concrete dams under the effect of dynamic loads and especially the earthquake load is one of the most common types of special loads. consider with a couple of gravity dams

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