

## عنوان مقاله:

Numerical Analysis of Seismic Behavior of Rockfill Dams with Asphaltic Concrete Core

## محل انتشار:

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## خلاصه مقاله:

For many years construction of Rockfill Dams using clayey cores as sealing element has been developed. But in recent years, Asphaltic Concrete Core that is virtually impervious, flexible and compressible has attained more acceptances. Because of high shear resistance, it can be appropriate, especially in seismic zones. In this paper seismic behavior of dams with asphaltic concrete core under dynamic loads has been studied by a numerical model. The different stages of construction and impounding are performed using Mohr-Coulomb model in PLAXIS program. The seismic behavior of dam with asphaltic concrete core under dynamic loads of earthquake has been studied. The diagrams and numerical results showed an appropriate response of the dam during and after earthquake shocking

## کلمات کلیدی:

Seismic Behavior, Rockfill Dams, Asphaltic Concrete Core, Numerical model, PLAXIS program

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/138266>

