

## عنوان مقاله:

Seepage and piping on earth dam with different geometry of cut-off wall

## محل انتشار:

دومین کنگره بین المللی علوم و مهندسی (سال: 1397)

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## خلاصه مقاله:

One of the most important major things that have a serious effect on earth dam is the seepage through dams and foundation of them. Some commonly method for controlling this happening is use the cut-off wall. In this study we modeled the cut-off wall with material that are similar to dam's core. In addition, we change some parameters of cut-off wall such as these angle ratio to the horizontal earth surface axis , depth of cut-off and their location, and the effects of this changes on seepage and piping from dam been investigated. With analysis the result of SEEP/W software, we present some charts that show this result on seepage. On the other part of this paper we try to analysis effect of these parameter's changes of cut-off wall on some parameters such as liquid velocity and pore water pressure and present some charts about this effects. By the obtained results from SEEP/W (V. 2007) and charts, geometry's parameter of .cut-of walls have affected on seepage and piping in earth dam

## کلمات کلیدی:

cut-off wall; piping, angle ratio of cut-off; depth of cut-off; pore water pressure

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/878004>

