

عنوان مقاله:

Optimization of Horizontal and Vertical Filter in Earth Fill Dams using Genetic Algorithms

محل انتشار:

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نویسندگان:

Behrooz Sarafi - Science and Research Hamedan Branch, Islamic Azad University, Hamedan, I. R. of Iran

Amir Hossein Asadiany Yekta - Dept. of Engineering, Hamedan Branch, Islamic Azad University, Hamedan, I. R. of Iran

Vahid Rostami - Dept. of Engineering, Hamedan Branch, Islamic Azad University, Hamedan, I. R. of Iran

خلاصه مقاله:

Earth dams are one of the most important and costly of structural development, which often allocated to itself large amounts of country budget. Earth dams often structured by different parts. Some of the most important parts are horizontal and vertical filter which are performance in the dam downstream. Earth dam filters are so costly because of difficulty in performance. The purpose of this project is finding the way of horizontal and vertical drain optimizing and the most optimize mount of constituent materials permeability. In this project has been used Geostudio 2007 Seep/w for assumed Earth dams section modeling, and then by using SPSS has been created linear regression model for connection between modeling which has been done and optimization algorithm. At last conclusion of this project has been used in optimization of GA as an entrance. These results have been used in horizontal and vertical filter of Earth dam designing.

کلمات کلیدی:

optimization, horizontal and Vertical filter, Earth dam, GA, regression modeling

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