

عنوان مقاله:

Kinematic analysis of dam-break flow over granular beds

محل انتشار:

کنفرانس ملی توسعه فناوری علوم آب، آبخیزداری و مهندسی رودخانه (سال: 1398)

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خلاصه مقاله:

The purpose of present research was specification of the capability of a simple analytic and numerical methods in solving the dam-break on mobile bed problem. While, the numerical solutions implemented by Flow-3D software based on a volume of fluid-finite volume method. The experimental results of the previous dam-break research compared with computational results of this research. Afterward, all results analyzed by statistical method of normal root mean square error. Subsequently, findings showed that the numerical simulations have more efficiency in predicting of the dam-break wave characteristics than analytic simple solution

کلمات کلیدی:

Dam-Break, Mobile Bed, CFD, VOF-FVM, Statistical Methods, Kinematic and Dynamic of Flow

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