

عنوان مقاله:

Bed concentration Effect on Dam Break Flow over Movable Bed, Experimental Study

محل انتشار:

کنفرانس بین المللی عمران، معماری و توسعه پایدار شهری (سال: 1392)

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خلاصه مقاله:

The failure of a major flood control structures, like dams, involves rapid transients with strong interactions between flow and topography which may expose the surrounding population to serious risks. In order to simulate the consequences of a dam failure in a complex topography correctly, present study explores a series of small- scale laboratory experiments of dam- break waves propagating over loose granular beds. The case of plane bed with various concentrations is investigated. Experiments were carried out in an ideal flume with a fast up- ward moving gate, and instrumentation of the tests performed by means of fast digital imaging through the sidewalls of flume. Results include water surface level time evolution, maxima wave levels and time to peak

کلمات کلیدی:

Dam break, Bed concentration, Experimental study, Image processing

لینک ثابت مقاله در پایگاه سیویلیکا:

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