

عنوان مقاله:

Influence of wall mounted baffle on suppressing sloshing in a rectangular tank

محل انتشار:

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خلاصه مقاله:

In this paper, a numerical model was developed to simulate the sloshing phenomenon in a rectangular tank with a wall mounted baffle. The influence of different parameters including the water filling level, the baffle location, and the baffle length were evaluated on the suppressing sloshing in a rectangular tank. Finally, some suggestions were presented to optimize the efficiency of the baffles. Finally, the wall mounted baffles located at Hb/Ht=o.۳۵m and Lb/Lt=o.۲-o.۲۵ was .suggested as the optimum one in which the swash force arises from the sloshing impact was mitigated around Y6%

كلمات كليدى:

.Sloshing, Wall mounted baffle, Sway motion, Entropy generation

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