

عنوان مقاله:

Analysis of pressure drop in a slot-rectangular spouted bed

محل انتشار:

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خلاصه مقاله:

In this paper, the computational fluid dynamics technique was used to simulate the gas-solid two-phase flow in a slot-rectangular spouted bed. The two-phase Eulerian-Eulerian granular model was studied. A twodimensional computer simulation using FLUENT ۶.۳ commercial software was performed to investigate the effects of physical parameters on the hydrodynamic behavior of slot-rectangular spouted beds. The pressure drop was evaluated for various superficial gas velocities, bed heights, and solid particle sizes. The pressure drop had increasing trend with increases in slot width .at constant values of superficial air velocity

کلمات کلیدی:

Spouted bed, Slot-rectangular, pressure drop, Computational fluid dynamics

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