

## عنوان مقاله:

Non-Newtonian fluid flow and heat transfer in an inclined channel with discrete Heat sources

## محل انتشار:

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## خلاصه مقاله:

In this paper, the mixed convection in an inclined square channel with seven discrete heat sources has been studied numerically. The heat sources have been constructed flush mounted with channel bottom wall. The working fluid is non-Newtonian, power-law fluid. A FORTRAN program has been written for solution of governing equations by finite difference method. The effect of power-law index, Pe number, Ri number and inclination angle on heat transfer and flow characteristics have been studied using the numerical results

## کلمات کلیدی:

Non-Newtonian fluid, Heat transfer, Discrete heat sources, Mixed convection

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/910373>

