عنوان مقاله:

Numerical Modeling of Turbulent Natural Convection in A Square Cavity

محل انتشار:

همایش یافته های نوین در هوافضا و علوم وابسته (سال: 1394)

تعداد صفحات اصل مقاله: 10

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خلاصه مقاله:

A numerical study has been performed to investigate the effect of using different turbulent models on natural convection flow field and temperature distributions in partially heated square cavity compare to benchmark. The temperature of the right vertical wall is lower than that of heater while other walls are insulated. The commercial CFD codes are used to model. Standard k-w model provided good agreement with the experimental data

کلمات کلیدی:

,Buoyancy, Cavity, CFD, Heat Transfer, Natural Convection, Turbulence