

## عنوان مقاله:

Flow field, heat transfer and entropy generation of nanofluid in a microchannel using the finite volume method

## محل انتشار:

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## خلاصه مقاله:

In this study, the finite volume method and the SIMPLER algorithm is employed to investigate forced convection and entropy generation of Cu-water nanofluid in a parallel plate microchannel. There are four obstacles through the microchannel, and the slip velocity and temperature jump boundary conditions are considered in the governing equations to increase the accuracy of modeling. The study is conducted for the Reynolds numbers in the range of 0.1

## کلمات کلیدی:

Entropy generation, Microchannel, Slip velocity, Temperature jump, Cu-water nanofluid

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/864594>

