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Numerical Heat Transfer, Part A: Applications: Vol 78, No 7

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Therefore, numerical simulation of convective and radiative heat transfer is a very useful and important topic for different fields of industry and various natural systems. The present Special Issue will focus on the simulation of convective and radiative heat transfer in engineering systems and natural bio- and geo-systems.

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Numerical Heat Transfer, Part A: Applications

Finally, the effect of wall zeta potential on heat transfer was studied for all the four types of microchannels by imposing a constant uniform heat flux on the walls. The Nusselt number plots indicate how heat transfer varies along the microchannel walls.