FLOW AND HEAT TRANSFER ALONG WITH SPM IN THE VICINITY OF HORIZONTAL FLAT PLATE

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Abstract

The free convection heat flow with SPM has been studied in the vicinity of a horizontal at plate is consider in the problem. The governing linearised differential equations have been solved successively by using Crank-Nicholson finite difference scheme. The profiles of velocity and temperature of the fluid and particle have been depicted in figures drawing interesting result. It has been observed that the direction of heat transfer is always from fluid towards the plate.