CFD ANALYSIS OF DISPERSED TWO-PHASE FLOWS

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ABSTRACT

This paper reviews the state-of-the-art in the prediction of multidimensional dispersed multiphase flow and heat transfer phenomena using a two-fluid model. It is shown that accurate mechanistic computational fluid dynamic (CFD) predictions are possible for a wide variety of adiabatic and diabatic vapor/liquid and particle/liquid two-phase flows using this computational model.