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Numerical Heat Transfer and Fluid Flow | SpringerLink

Numerical Heat Transfer and Fluid Flow Here is a self-contained, straight tforward treatment of the practical details involved in computational activity for numerical heat transfer and fluid flow analysis. Intended as an introduction to the field, the book emphasizes physical significance rather than mathematical manipulation.

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Heat Transfer Fluid - an overview | ScienceDirect Topics

The present chapter introduces incompressible Newtonian fluid flow and heat transfer by using the finite difference method. Since the solution of the Navier-Stokes equation is not simple because of its unsteady and multi-dimensional characteristic, the present chapter focuses on the simplified flows owing to the similarity or periodicity. As a first section, the first Stoke problem is ...