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Numerical Heat Transfer, Part A: Applications. An International Journal of Computation and Methodology. ... Heat transfer and flow structure in a rotating duct with detached pin fins. Wei Du, Lei Luo, ... Effects of the pocket cavity on heat transfer and fluid flow of the downstream outlet guide vane at different flow attacking angles

Numerical Heat Transfer, Part A: Applications: Vol 75, No 4

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The SIMPLE algorithm was developed by Prof. Brian Spalding and his student Suhas Patankar at Imperial College, London in the early 1970s. Since then it has been extensively used by many researchers to solve different kinds of fluid flow and heat transfer problems.

SIMPLE algorithm - Wikipedia

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Numerical Heat Transfer, Part A: Applications

Heat transfer and fluid flow parameters were evaluated in terms of the local heat transfer coefficient, the enhancement ratio of the average convective heat transfer coefficient, thermal resistance and volume flow rate through the heat sink.

Numerical analysis of the heat transfer and fluid flow ...

Numerical Heat Transfer and Fluid Flow (Hemisphere Series on Computational Methods in Mechanics and Thermal Science) 1st edition by Patankar, Suhas (1980) Hardcover 4.7 out of 5 stars 12. Hardcover. \$338.65.

Numerical Heat Transfer and Fluid Flow Hardcover - 1980

Numerical heat transfer is a broad term denoting the procedures for the solution, on a computer, of a set of algebraic equations that approximate the differential (and, occasionally, integral) equations

describing conduction, convection and/or radiation heat transfer.

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