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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

Slot-Jet-Impingement Convective Heat Transfer and the Temperature in the Cooled Solid Cylinder', Numerical Heat Transfer, Part A: Applications, 53:12, 1271 - 1293 ... fields in the fluid, and especially in the cylindrical solid cooled by this device. The study used

Numerical Heat Transfer, Part A: Applications

They found non-Newtonian fluids offer better heat transfer properties than Newtonian pseudoplastic fluids at the same developed Prandtl number. Using the boundary-layer theory, Zhang et al. conducted a numerical study on the heat transfer and the surface friction coefficients of power-law non-Newtonian fluids at the boundary layer. They found ...

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Numerical Heat Transfer and Fluid Flow (Hemisphere Series on Computational Methods in Mechanics and Thermal Science) [Hardcover] [1980] 1 Ed. Suhas Patankar 4.7 out of 5 stars 12. Paperback. \$239.90.

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