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Books. Pozrikidis, C. (1992) Boundary Integral and Singularity Methods for Linearized Viscous Flow. Cambridge University Press. Pozrikidis, C. (1997, 2011) Introduction to Theoretical and Computational Fluid Dynamics. First Edition (1997), Second Edition (2011), Oxford University Press. Pozrikidis, C. (1998, 2008) Numerical Computation in Science and Engineering.

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Martindale's Calculators On-Line Center: Mechanical ...

Vol.7, No.3, May, 2004. Mathematical and Natural Sciences. Study on Bilinear Scheme and Application to Three-dimensional Convective Equation (Itaru Hataue and Yosuke Matsuda)

Contents

where u_i is the ensemble averaged velocity in the i-direction, and symbols ρ, μ, and p correspond to the density, molecular viscosity, and ensemble averaged pressures, respectively. The single term in the continuity equation represents the mass advection, while the first and second terms on the left-hand side in the momentum equation are the transient and momentum advection terms.

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