

Errata

- In Publication I the linear convection equation with the explicit Euler scheme and the first-order upwind discretization has the stated CFL condition, the scheme is stable if $CFL < 1$. The second-order central discretization and the explicit Euler scheme is unconditionally unstable. However, the addition of a diffusion term stabilizes the scheme.
- In Publication I in Eq.(16) on the right-hand side there should be a plus sign instead of a minus sign
- In Publication I Eq.(17) should be $B_P = -(B_W + B_E + B_S + B_N)$
- In Publication III the integral form in Eq.(18) is valid for the case of constant viscosity only. If the viscosity varies in space, like eddy viscosity, it should be inside the surface integral.
- In Publication III in the caption of Fig. 4, the bottom figures on are plotted along the horizontal line not the vertical one.
- In Publication IV on p. 4 in Publication V on p. 404 the acronym CBC should be explained as convective boundary condition
- In Publication IV and in Publication V in Figs. 9 and 11 the letter J stands for the jet-to-cross-flow velocity ratio.
- In Publication IV and in Publication V in Fig. 12 the label 'x/D' should read 'z/D'.
- In Publication IV on p. 12 and in Publication V on p. 411 the cross-stresses are normalized by U^2 and not by U .