LIST OF VARIABLES

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u1(I,j) → velocity in streamwise-direction at nth time step
u2(I,j) → velocity in streamwise direction at (n+1)th time step; p(i,j) → pressure
v1(I,j) \longrightarrow velocity in transverse-direction at nth time step
v2(I,j) velocity in transverse-direction at (n+1)th time step
um(I,j) _____time-averaged component of velocity in streamwise-direction
vm(I,j) ) → time-averaged mean component of velocity in transverse-direction
deltax(i) → (uniform or nonuniform) grid size in streamwise direction
deltay(j) → (uniform or nonuniform) grid size in transverse direction
qinlet(j) → inlet boundary condition
iim maximum no of grid pts in streamwise direction (including imaginary node)
jim maximum no of grid pts in transverse direction (including imaginary node)
deltat ____ ▶ time step size between two iterations; zeit ____ ▶ total time elapsed upto nth iteration
uc _____ celerity constant for convective b.c's at outflow boundary
imax, jmax — contains grid indices on which divergence is maximum
idtm, jdtm — contains grid indices on which velocity fluctuations are max
re — → Reynolds no of flow
jn1, jnim→ variables for imposing no-slip or free-slip b.c's
iexit — (varies from 1-4) variable for applying desired b.c's at outflow boundary
istop ____ for finally writing files & stopping execution of program
irest → to run the code from scratch (=0) or to restart/execute the code from previously stored results
ita — bouter iteration level for marching in time (N-S iteration)
iti → inner iteration variable (for satisfying continuity eq)
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