■ Cell-centered primary variables $(p_\alpha, x_\alpha^\kappa, T, k, \epsilon...)$

→ $v_{\alpha,x}$

↑ $v_{\alpha,y}$

□ finite volume mesh and
boundaries of the control volumes centered around the scalar variables

□ boundaries of the staggered control volumes located around the velocity $x$-component

□ boundaries of the staggered control volumes located around the velocity $y$-component