

$$\rho \frac{\partial c_j}{\partial t} + \rho c_k \frac{\partial c_j}{\partial x_k} = - \frac{\partial p}{\partial x_j} + \frac{\partial}{\partial x_j} \left(- \frac{2}{3} \mu \frac{\partial c_k}{\partial x_k} \right) + \frac{\partial}{\partial x_i} \left[\mu \left(\frac{\partial c_i}{\partial x_j} + \frac{\partial c_j}{\partial x_i} \right) \right] + \rho f_i$$