

$$(1) \quad v = \frac{zRT}{P}$$

$$(2) \quad K_i \equiv \frac{y_i}{x_i}$$

$$(3) \quad D = \sum_i \frac{f_i}{1 + \theta(b_i/d_i)}$$

$$(4) \quad N_{Sh_{avg}} = \sqrt{\frac{3S}{2+L} N_{PeM}}$$

$$(5) \quad \delta = \left(\frac{3\mu\Gamma}{\rho^2 g} \right)^{1/3}$$

$$(6) \quad \mu \frac{d^2 u_y}{dz^2} + \rho g = 0$$