

$$V_D = \frac{1}{\text{Re}(f_1)} \left(\sum_i q_{1i} K_i C_i - \xi_1 \right)^2 + \frac{1}{\text{Re}(f_2)} \left(\sum_i q_{2i} K_i C_i - \xi_2 \right)^2 ,$$