

$$P_N(R_g) = C_g \exp \left[ -a_1 \left( \frac{\ell_b N^\nu}{R_g} \right)^{\alpha d} - a_2 \left( -\frac{R_g}{\ell_b N^\nu} \right)^\delta \right] P_N(r_g) = A_g \exp \left( -a_1 r_g^{-\alpha d} - a_2 r_g^\delta \right)$$