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Corrigendum to: "On the Calculation of X-ray Scattering Signals from Pairwise Radial Distribution Functions"

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When we in Eq. (20) split up the scattering signal into contributions from solvent-solvent terms, solute-solvent (cross) terms, and solute-solute terms, each atom (type) belongs to either the solvent or the solute. Hence, the scattering signal contribution from the solute-solvent (cross) terms, Eq. (20b), should read:

\[ S_c(q) = 2 \sum_i^a \sum_m^v f_i(q) f_m(q) \frac{N_i N_m}{V} 4\pi \int_0^{R_{\text{box}}} r^2 [g_{i,m}(r) - 1] \frac{\sin(qr)}{qr} dr \]  

(20b)