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Corrigendum

A new approach for applying residual dipolar couplings as restraints in structure elucidation

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Several errors occurred in Equations 3 and 4 of this paper. The correct equations are printed below:

$$\cos\varphi^{ij} = \begin{pmatrix} \cos\alpha^i \sin\beta^i \\ \sin\alpha^i \sin\beta^i \\ \cos\beta^i \end{pmatrix}^T \begin{pmatrix} \cos\alpha^j \sin\beta^j \\ \sin\alpha^j \sin\beta^j \\ \cos\beta^j \end{pmatrix} \quad (3)$$

Applying Equation 2 to Equation 3 one can eliminate two angles β^i, β^j and arrive at:

$$\cos\varphi^{ij} = \sqrt{\frac{2(3D^i - 2D_{zz} + D_{xx} + D_{yy})}{3(\frac{3}{2}(D_{xx} - D_{yy})\cos\alpha^i - 2D_{zz} + D_{xx} + D_{yy})}} \sqrt{\frac{2(3D^j - 2D_{zz} + D_{xx} + D_{yy})}{3(\frac{3}{2}(D_{xx} - D_{yy})\cos\alpha^j - 2D_{zz} + D_{xx} + D_{yy})}} \cos(\alpha^j \pm \alpha^i) \pm \sqrt{1 - \frac{2(3D^i - 2D_{zz} + D_{xx} + D_{yy})}{3(\frac{3}{2}(D_{xx} - D_{yy})\cos\alpha^i - 2D_{zz} + D_{xx} + D_{yy})}} \sqrt{1 - \frac{2(3D^j - 2D_{zz} + D_{xx} + D_{yy})}{3(\frac{3}{2}(D_{xx} - D_{yy})\cos\alpha^j - 2D_{zz} + D_{xx} + D_{yy})}} \quad (4)$$