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Calculation of absorption and secondary scattering of X-rays by spherical amorphous materials in an asymmetric transmission geometry. Corrigendum

J. C. Bendert,* M. E. Blodgett and K. F. Kelton

Department of Physics, Washington University, St Louis, Missouri 63130-4899, USA. *Correspondence e-mail: jbendert@physics.wustl.edu

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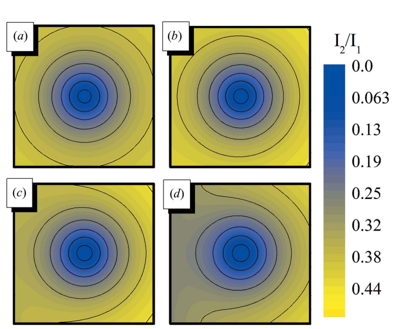
A revised version of Table 2 of Bendert *et al.* [*Acta Cryst.* (2013). A**69**, 131–139] is provided.

The expressions for A_i for i = 3 and 4 reported in Table 2 of Bendert *et al.* (2013) should be negative. The correct values are given in the table shown below.

Table 2
Coefficients for small-angle expansion of the off-axis spherical absorption.

i	A_i
0	+1
1	$+\cos(\phi)\mu r_s x_s$
2	$\frac{+\mu r_s}{6(x_s^2-1)}[2\mu r_s \cos(\phi)^2 x_s^4 - x_s^2(1-x_s^2)^{1/2} - 2\mu r_s \cos(\phi)^2 x_s^2 + (1-x_s^2)^{1/2} - 2x_s^2\cos(\phi)^2(1-x_s^2)^{1/2}]$
3	$\frac{-x_s\cos(\phi)\mu r_s}{6(x_s^2-1)}[2\mu r_s \cos(\phi)^2 x_s^2(1-x_s^2)^{1/2} + x_s^2 - 1]$
4	$\frac{-\mu r_s}{360(x_s^2-1)}[8(\mu r_s)^3 x_s^6\cos(\phi)^4 + 40\mu r_s x_s^4\cos(\phi)^4 - 14\mu r_s x_s^4 + 32(\mu r_s)^2 x_s^4\cos(\phi)^4(1-x_s^2)^{1/2} - 8(\mu r_s)^3 x_s^4\cos(\phi)^4 - 32(\mu r_s)^2 x_s^4\cos(\phi)^2(1-x_s^2)^{1/2} + 44\mu r_s x_s^4\cos(\phi)^2 - 11(1-x_s^2)^{1/2}x_s^2 - 4x^2\cos(\phi)^2(1-x_s^2)^{1/2} - 44\mu r_s x_s^2\cos(\phi)^2 + 32(\mu r_s)^2 x_s^2\cos(\phi)^2(1-x_s^2)^{1/2} + 11(1-x_s^2)^{1/2} - 14\mu r_s + 28\mu r_s x_s^2]$
5	$\frac{+\mu r_s x_s\cos(\phi)}{360(x_s^2-1)}[8(\mu r_s)^3 x_s^4\cos(\phi)^4(1-x_s^2)^{1/2} + 16(\mu r_s)^2 x_s^4 - 40(\mu r_s)^2 x_s^4\cos(\phi)^4 + 8(\mu r_s)^3 x_s^4\cos(\phi)^2(1-x_s^2)^{1/2} + 24(\mu r_s)^2 x_s^4\cos(\phi)^2 + 3x_s^2 - 6\mu r_s x_s^2(1-x_s^2)^{1/2} - 3 + 16(\mu r_s)^2 - 8(\mu r_s)^3 x_s^2\cos(\phi)^2(1-x_s^2)^{1/2} + 6\mu r_s(1-x_s^2)^{1/2} - 32(\mu r_s)^2 x_s^2 + 36\mu r_s x_s^2\cos(\phi)^2(1-x_s^2)^{1/2} - 24(\mu r_s)^2 x_s^2\cos(\phi)^2]$



References

Bendert, J. C., Blodgett, M. E. & Kelton, K. F. (2013). *Acta Cryst.* A**69**, 131–139.