

Supercritical carbon dioxide behaviour in porous silica aerogel. Erratum

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Errors in the paper by Ciccariello, Melnichenko & He [*J. Appl. Cryst.* (2011), **44**, 43–51] are corrected.

A misprint is present in equations (13)–(18) of Ciccariello *et al.* (2011). The factor $1/\mathcal{R}$ is erroneously written in equation (18) instead of being appended to the second addend of the $\hat{\mathbf{n}}_{2,\dots}$ definitions. The correct definitions are

$$\mathcal{D}_{\pm} = \frac{1}{2n_1} \left(\frac{\mathcal{A}\Delta_{\pm}}{\pi\mathcal{S}} \right)^{1/2}, \quad (1)$$

$$\hat{\mathbf{n}}_{2,I} = 1 + \mathcal{D}_{-}(\mathcal{R} + \Delta_{+})/\mathcal{R}, \quad (2)$$

$$\hat{\mathbf{n}}_{2,II} = 1 - \mathcal{D}_{-}(\mathcal{R} + \Delta_{+})/\mathcal{R}, \quad (3)$$

$$\hat{\mathbf{n}}_{2,III} = 1 + \mathcal{D}_{+}(\mathcal{R} + \Delta_{-})/\mathcal{R}, \quad (4)$$

$$\hat{\mathbf{n}}_{2,IV} = 1 - \mathcal{D}_{+}(\mathcal{R} + \Delta_{-})/\mathcal{R}. \quad (5)$$

The remaining expressions remain unchanged. The above misprint was introduced in an attempt to make the formulae used in the numerical analysis more compact. Thus, all the reported numerical results are correct except for the error bars in Fig. 6. These must be multiplied by 10^{-2} , a factor that was overlooked in the relevant numerical conversion.

It is also added that the above $\hat{\mathbf{n}}_{2,\dots}$ expressions simplify as follows:

$$\hat{\mathbf{n}}_{2,I} = \hat{\mathbf{n}}_{2,III} = 1 + [\hat{\mathcal{A}}(1 + \mathcal{R})]^{1/2} \quad (6)$$

and

$$\hat{\mathbf{n}}_{2,II} = \hat{\mathbf{n}}_{2,IV} = 1 - [\hat{\mathcal{A}}(1 + \mathcal{R})]^{1/2}, \quad (7)$$

with $\hat{\mathcal{A}} \equiv \mathcal{A}/(2\pi\mathcal{S}n_1^2)$.

We are very grateful to an anonymous referee for having made us aware of the misprints and the simplification of the $\hat{\mathbf{n}}_{2,\dots}$ expressions.

References

Ciccariello, S., Melnichenko, Y. B. & He, L. (2011). *J. Appl. Cryst.* **44**, 43–51.