


**Erratum: Disorder Criterion and Explicit Solution
for the Disc Random Packing Problem
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In my recent Letter [1], the range of values of θ_2 , shown in Eq. (5), was miscalculated. The limits are

$$\begin{aligned} \frac{\pi}{6} < \theta_2 < \theta_1 + \frac{\pi}{6} & \text{ for } \frac{\pi}{6} < \theta_1 < \frac{\pi}{3}, \\ \theta_1 - \frac{\pi}{6} < \theta_2 < \frac{5\pi}{6} - \theta_1 & \text{ for } \frac{\pi}{3} < \theta_1 < \frac{\pi}{2}. \end{aligned} \quad (5)$$

This affects slightly the limits of the integrals in Eq. (6), yielding $\bar{S}_5 = 1.549\,782\,5$. Consequently, the following values are modified very slightly: $\phi_{\text{RCP}} = 0.852\,514$, which is lower by 1.1×10^{-5} than the originally published value, and $\phi_{\text{cs}} = 0.830\,737$, which is lower by 2.3×10^{-4} than the originally published value. All other calculations are unaffected.

Thanks go to Dr. Himantha Cooray for spotting a potential problem with the original limits of Eq. (5) and for checking the revised calculation.

[1] R. Blumenfeld, *Phys. Rev. Lett.* **127**, 118002 (2021).