

Corrigendum: Hyperuniformity variation with quasicrystal local isomorphism class

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A prefactor of $1/(2\sqrt{\pi\rho})$ was erroneously omitted in Equation (7). The correct equation reads:

$$\bar{\Lambda}(R_i) \equiv \left(\frac{1}{2\sqrt{\pi\rho}} \right) \left(\frac{1}{R_i - R_{\min}} \right) \sum_{j=2}^i \frac{\lambda_{j-1} + \lambda_j}{2} \Delta R_j ,$$

where the prefactor $1/(2\sqrt{\pi\rho})$ is included so that the results are independent of the number density ρ (the number of points per unit area). Our definition of $\bar{\Lambda}(\infty)$ here corresponds to $\bar{\Lambda}/(4\phi^{1/2})$ and $\phi^{1/2}B$ in [1] and $\bar{\Lambda}/(4\phi^{1/2})$ and $\phi^{1/2}B_N$ in [2].

References

- [1] Torquato S and Stillinger F H 2003 Local density fluctuations, hyperuniformity, and order metrics *Phys. Rev. E* 68 041113
- [2] Zachary C E and Torquato S 2009 Hyperuniformity in point patterns and two-phase random heterogeneous media *J. Stat. Mech.* P12015