

Erratum: computer generation of dense polydisperse sphere packings

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Page 8215. In the third full sentence of the page, beginning “In this expression, η ...”, η is defined incorrectly as the packing fraction of the large spheres. The variable η should be defined as the fraction of space covered by the interpenetrable spheres, including both the large spheres and their shells. The third sentence should read, “In this expression, λ is the ratio of the core diameter (σ_L) to the diameter ($\sigma_L + \sigma_S$) of an interpenetrable sphere, and η is the ratio of the total volume of the interpenetrable spheres to the total volume of the system, or

$$\eta = \phi_m / \lambda^3,$$

with ϕ_m the packing fraction of the large spheres.”

None of the results obtained or the conclusions reached in this paper are altered by the definitional error in the third full sentence on page 8215. In particular, Fig. 3, which includes a plot of Eq. (4) using Eq. (5) in which η is a variable calculated using $\phi_m = 0.64$, is completely correct, as the proper definition of η was used in the production of the plot.

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