

**Erratum: Archipelagian cosmology: Dynamics and observables
in a universe with discretized matter content
[Phys. Rev. D **80**, 103503 (2009)]**

Timothy Clifton and Pedro G. Ferreira
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The text in the published version of [1] stated the boundaries of the cubic cells we used to build our lattice model of the Universe were determined by freely falling spheres of equal spatial volume. This is incorrect. The results we presented were, in fact, found as a consequence of considering cubic cell boundaries that were positioned at a distance from the origin equal to the radius of the freely falling spheres. This is Condition II of [2], rather than Condition I.

The following corrections should be made to the text of [1]:

In Sec. 2, the second sentence of footnote 4 should be ignored. The caption of Fig. 4 should have stated that there is “a touching” between the spheres of neighboring masses, rather than “an overlap”. The sixth paragraph of Sec. 2.2, and footnote 8, should have referred to “Condition II” of Ref. [2], rather than “Condition I”. The sixth paragraph of Sec. 2.2 should also have described the spheres from neighboring cells as “touching” the center of the faces of the original lattice cells, rather than “overlapping” at that point. The following paragraph should then refer only to the “no man’s land” regions, rather than “overlap and no man’s land” regions. The last sentence of this paragraph should also be discarded.

In Sec. 3, the second sentence of the fourth paragraph of Sec. 3.2 should have read: “All other trajectories will pass through the ‘no man’s land’ that is outside of all bounding spheres.” In the following three paragraphs, and above Eqs. (26) and (58), all occurrences of “average” and “on average” should then be replaced with “approximate” and “approximately,” respectively. In addition, the final sentence of the fifth paragraph of Sec. 3.2 should be discarded (after the colon), and the factor of $(\frac{\pi}{6})^{1/3}$ should be removed from Eq. (38).

Finally, Fig. 4 of Ref. [1] should be replaced with Fig. 1, below.

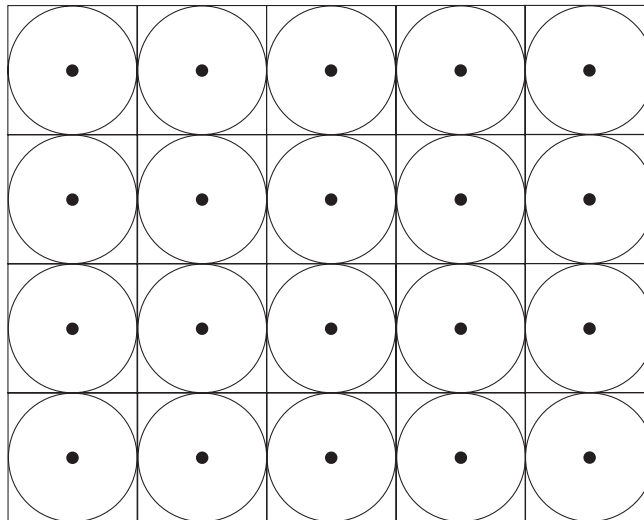


FIG. 1. Replacement for Fig. 4 of Ref. [1].

We are grateful to K. O’Donnell for noticing this error and making us aware of it.

[1] T. Clifton and P.G. Ferreira, *Phys. Rev. D* **80**, 103503 (2009).

[2] R. W. Lindquist and J. A. Wheeler, *Rev. Mod. Phys.* **29**, 432 (1957); **31**, 839(E) (1959).