Erratum: Improving cosmic string network simulations
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In our paper, we stated that the algorithm for the numerical solution of the partial differential equations describing the cosmic string network was $O(a^4)$ accurate, where a is the lattice spacing. This would represent a formal improvement over the standard discretization which is only $O(a^2)$ accurate. In fact, we omitted a key part of the improved algorithm, namely, the additional plaquette combinations in the temporal direction [1], meaning that the improvement we studied was not consistently $O(a^4)$ accurate.

Including these additional temporal plaquette contributions would lead to an implicit update for the time evolution, and so a simulation code implementing the full improvement is likely to be significantly slower than the partially improved algorithm described in the original paper.

Our methods—including the anisotropic lattice boosting—and conclusions are not otherwise affected by this observation.

[1] G. D. Moore, *Nucl. Phys.* **B480**, 689 (1996).