

**Erratum: Optimized Interactions for Targeted Self-Assembly:
Application to a Honeycomb Lattice
[Phys. Rev. Lett. 95, 228301 (2005)]**

Mikael Rechtsman, Frank Stillinger, and Salvatore Torquato

(Received 17 October 2006; published 6 December 2006)

DOI: [10.1103/PhysRevLett.97.239901](https://doi.org/10.1103/PhysRevLett.97.239901)

PACS numbers: 82.70.Dd, 81.16.Dn, 99.10.Cd

The phonon spectrum shown in Fig. 3 of the Letter contained some minor errors; it should be replaced with Fig. 1 below. The changes do not qualitatively alter the conclusions that the phonon spectra show that the honeycomb crystal is mechanically stable. This error does not affect the “zero-temperature optimization scheme,” of which the phonon spectrum calculation is a part. It also does not affect any other results of the Letter, most notably $V_{\text{HON}}(r)$, given in Eq. (6). This potential was derived using the “near-melting scheme,” which makes no use of the phonon spectrum calculation. Of course, the Monte Carlo self-assembly results are completely unaffected. Indeed, none of the conclusions of this work are altered in any way.

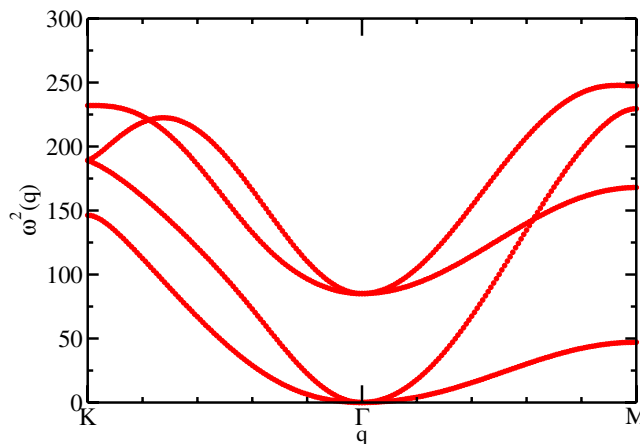


FIG. 1 (color online). Phonon spectrum (frequency squared) for the optimized honeycomb potential depicted in Fig. 2 at specific area $\alpha = 1.45$.