

Publisher's Note: Packing hyperspheres in high-dimensional Euclidean spaces
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This paper was published online on 30 October 2006 without Fig. 5. A copy of Fig. 4 was erroneously published in place of the appropriate figure. Figure 5 has been published below for the benefit of the print readership. The figure has been corrected in the online version as of 16 February 2007.

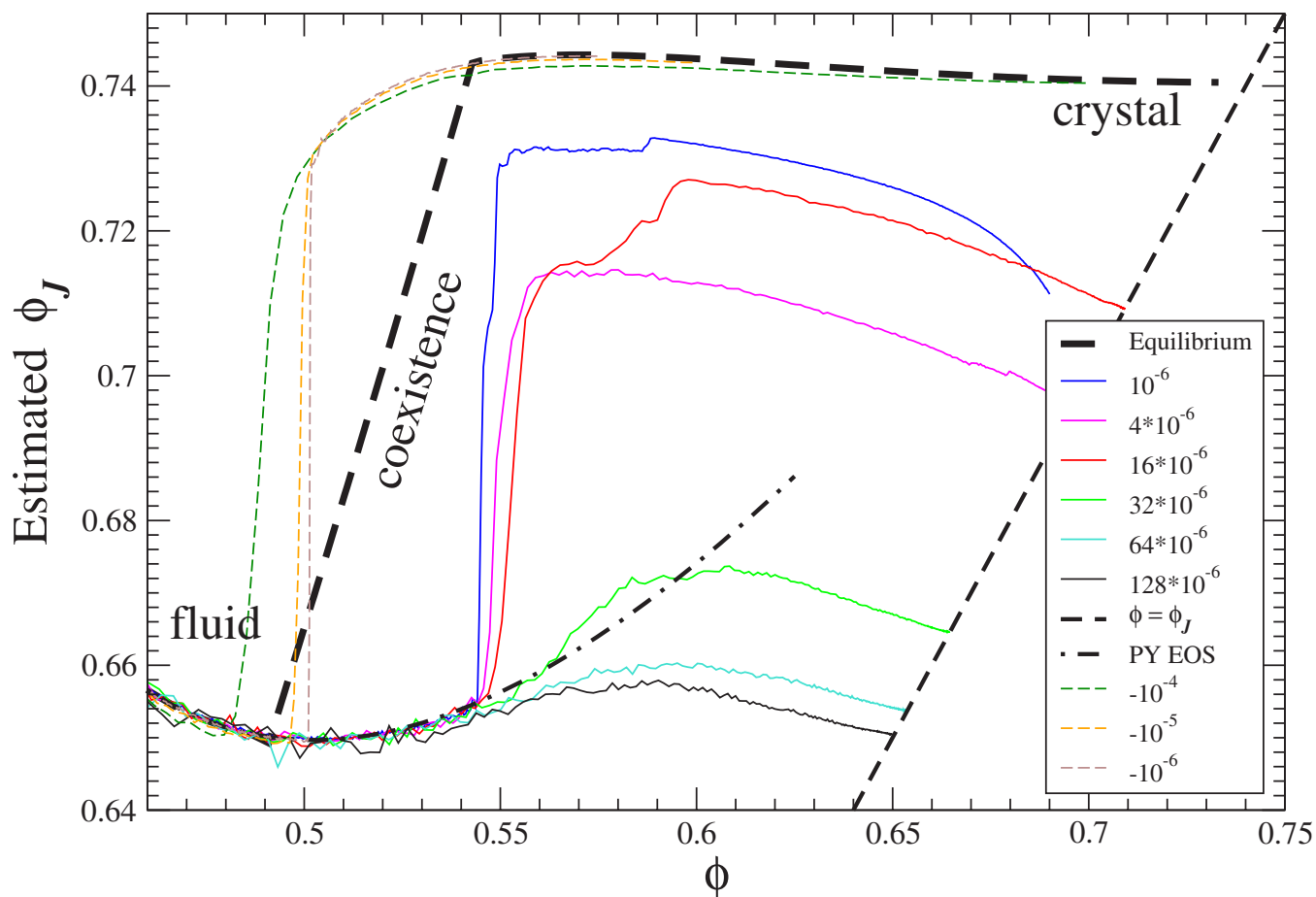


FIG. 5. (Color online) The estimated jamming packing fraction $\tilde{\phi}_j$ as a function of packing fraction ϕ for $d=3$. Shown are systems of 4096 spheres with various expansion rates and systems of 10 976 spheres placed in an fcc lattice with negative expansion rates $\gamma = -10^{-4}$, -10^{-5} , and -10^{-6} (last three curves). Also plotted are approximations to the equilibrium EOS for the fluid phase, the coexistence region, and the crystal phase [47], as well as the Percus-Yevick (PY) EOS for the fluid phase. Compare this figure to the curves shown in Figs. 3 and 4. For the curves showing no partial crystallization (i.e., $\gamma = 32 \times 10^{-6}$, 64×10^{-6} , and 128×10^{-6}), curves with smaller expansion rates have larger peak heights. For the curves that show partial crystallization (i.e., $\gamma = 10^{-6}$, 4×10^{-6} , and 16×10^{-6}), curves with smaller expansion rates lie farther to the left. For the melting curves (i.e., $\gamma = -10^{-4}$, -10^{-5} , and -10^{-6}), curves with smaller compression rates lie farther to the right.