ERRATA

Erratum: Strongly localized gap solitons in diatomic lattices [Phys. Rev. E 48, 4128 (1993)]

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PACS number(s): 46.10.+z, 63.20.−e, 03.40.Kf, 99.10.+g

An unfortunate mistake occurred in the paper. Figure 1 which appeared actually corresponds to the localized mode with the frequency $\omega_{01}^2 < \omega^2 < \omega_*^2 \equiv 2\omega_{01}^2\omega_{02}^2/(3\omega_{02}^2 - \omega_{01}^2)$, where one of the envelope functions has nonvanishing asymptotics for $|n| \to \infty$. The correct localized pattern with the frequency lying within the linear gap, i.e., for $\omega_{02}^2 < \omega^2 < \omega_{01}^2$, is presented below.

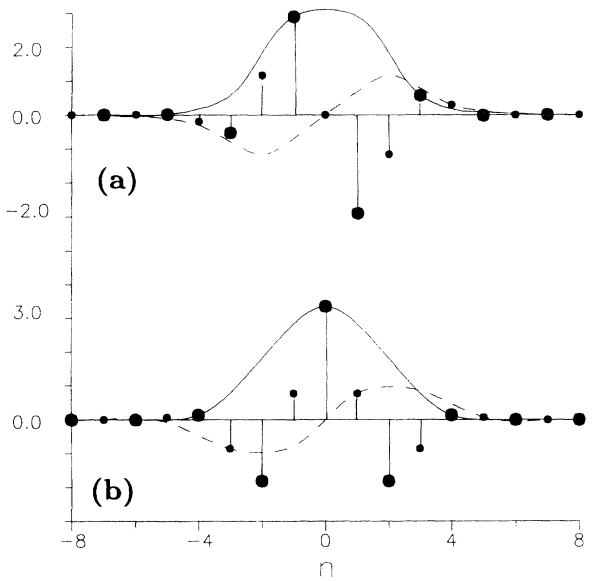

FIG. 1. Localized patterns corresponding to discrete gap solitons at $\mu = 0.08$ and $\epsilon^2 = 10.0$: (a) the mode centered at a light particle, and (b) the mode centered at a heavy particle. Solid and dashed lines are used to show envelopes of heavy and light particles, respectively. These curves are close to the analytical solutions of Ref. [10] found in the continuous approximation.

1063-651X/94/49(6)/5906(1)/$06.00

Erratum: Order-parameter flow in the fully connected Hopfield model near saturation [Phys. Rev. E 49, 1921 (1994)]

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PACS number(s): 05.50.+q, 05.70.−a, 87.10.+e, 99.10.+g

An incorrect interpretation of the $q \to 1$ expansion of the saddle-point exponent $\lim_{n\to 0} n^{-1}\Psi_{RS}$ led us to believe that the freezing line coincides with the $q = 1$ line (15). In fact, the freezing line turns out to be slightly *below* the $q = 1$ line in the (m, r) plane. The full (correct) expression for the saddle-point exponent, as give in our paper, does indeed in equilibrium reduce nicely to the replica-symmetric entropy per spin, as calculated following Amit, Gutfreund, and Sompolinsky [10].

1063-651X/94/49(6)/5906(1)/$06.00