Erratum: Topological Interface Engineering and Defect Crossing in Ultracold Atomic Gases [Phys. Rev. Lett. 109, 015302 (2012)]

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The following errors appear in the published Letter (the results and conclusions are unaffected by these errors): The definitions of the spin healing length ξ_F , in the first paragraph of p. 3, and the density healing length ξ_n , in the first full paragraph of p. 4, should read (the correct definitions have been used in the calculations)

$$\xi_F = l \left(\frac{\hbar \omega}{2|c_2|n} \right)^{1/2}, \qquad \xi_n = l \left(\frac{\hbar \omega}{2c_0 n} \right)^{1/2},$$

where $l = (\hbar/m\omega)^{1/2}$ and $\omega_x = \omega_y = 2\omega_z \equiv \omega$. This error also appears in the online Supplemental Material.

Furthermore, the number of atoms N is missing in the presentation of the interaction strengths used in the numerical simulations, in the captions of Figs. 2 and 3. (The correct definition has been used in the calculations.) The correct interaction parameters are

$$Nc_0 = 2.0 \times 10^4 \hbar \omega l^3$$
, $N|c_2| = 2.5 \times 10^2 \hbar \omega l^3$

for Fig. 2(a),

$$N|c_2| = 1.0 \times 10^4 \hbar \omega l^3$$

for Fig. 2(b), and

$$Nc_0 = 2.0 \times 10^4 \hbar \omega l^3$$
, $N|c_2| = 5.0 \times 10^2 \hbar \omega l^3$

for Fig. 3.

We also regret the misspelling of 't Hooft-Polyakov monopole appearing in the Letter and the Supplemental Material.