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

Magnus O. Borgh and Janne Ruostekoski
(Received 21 January 2014; published 20 February 2014)

DOI: 10.1103/PhysRevLett.112.079903 PACS numbers: 67.85.Fg, 03.75.Lm, 03.75.Mn, 11.27.+d, 99.10.Cd

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

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

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

for Fig. 2(a),

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

for Fig. 2(b), and

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

for Fig. 3.

We also regret the misspelling of ‘t Hooft–Polyakov monopole appearing in the Letter and the Supplemental Material.