

# Corrigendum: Topological crystalline insulators in the SnTe material class

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In the Discussion section of this Article, we incorrectly claimed that an in-plane magnetic field will generate Dirac mass terms for the surface states. Instead, the in-plane magnetic field merely shifts the location of the Dirac points. The  $k \cdot p$  Hamiltonian in the presence of an in-plane field ( $B_1, B_2$ ) (in the local basis defined in the Article) is

$$H_{sf,B} = v_{\perp} k_1 s_2 - v_{\parallel} k_2 s_1 + g_1 \mu_B B_1 s_1 + g_2 \mu_B B_2 s_2 \quad (10)$$

$$= v_{\perp} \left( k_1 + \frac{g_2 \mu_B B_2}{v_{\perp}} \right) s_2 - v_{\parallel} \left( k_2 - g_1 \mu_B \frac{B_1}{v_{\parallel}} \right) s_1 \quad (11)$$

where  $\mu_B$  is the Bohr magneton and  $g_{1,2}$  is the  $g$ -factor of Dirac surface states.