Erratum: Theory of spin Bott index for quantum spin Hall states in nonperiodic systems [Phys. Rev. B **98**, 125130 (2018)]

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There was a convergence error in the original Fig. 3 because too large a cutoff threshold was used in the calculations. Below is the corrected Fig. 3, which shows excellent agreement between the spin Bott index B_s and the Z_2 invariant around the phase-transition point even in a system with spin-mixing perturbations. This numerical correction does not affect any other results and conclusions of the original paper.

FIG. 3. Topological phase transition in the Kane-Mele model. The parameters are $t = 1$, $\lambda_v = 0.1t$, and $\lambda_{SO} = 0.06t$ [1]. (a) The Z_2 invariant and spin Bott index B_s versus λ_R/λ_{SO} . The inset shows the (b) band structure and (c) eigenvalues of P_z (in units of $\hbar$) upon phase transition with $\lambda_R/\lambda_{SO} = 2.86$ where both the band gap of the Hamiltonian and the spectral gap of P_z almost vanish.

[1] C. L. Kane and E. J. Mele, *Phys. Rev. Lett.* **95**, 146802 (2005).