


**Erratum: Critical assessment of Co-Cu phase diagram from first-principles calculations**  
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The authors regret a mistake in the equation of magnetic entropy in Sec. II D. The equation [ $S_{\text{mag}} = -k_B \sum x_i \ln(1 + \mu_i)$ ] was incorrect due to a wrong sign. The correct one is  $S_{\text{mag}} = k_B \sum x_i \ln(1 + \mu_i)$ . The correction has no effect on the calculation results and analysis.