

Schumpeter

$$\begin{aligned} \Delta_{\text{eff}}^{\text{eff}} &= \frac{1}{N} \sum_i \langle \sigma_i^x \rangle = \frac{1}{N} \sum_i \left(\frac{1}{2} + \frac{1}{2} \tanh \left(\frac{J_z}{k_B T} \right) \right) \\ &= \frac{1}{2} \left(1 + \tanh \left(\frac{J_z}{k_B T} \right) \right) \end{aligned}$$

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10

