## Two defect Dzyaloshinskii approximation

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## 1 Two defect approximation

$$\epsilon q_1^2 \sin\left(2\epsilon\phi_c(\mathbf{x_R}, \mathbf{y_R}) + 2q_1\theta_1(\mathbf{x_R}, \mathbf{y_R}) + 2q_2\theta_2(\mathbf{x_R}, \mathbf{y_R})\right) \left(\frac{\partial}{\partial \mathbf{x_R}} \theta_1(\mathbf{x_R}, \mathbf{y_R})\right)^2 - \epsilon q_1^2 \sin\left(2\epsilon\phi_c(\mathbf{x_R}, \mathbf{y_R}) + 2q_1\theta_1(\mathbf{x_R}, \mathbf{y_R}) + 2q_2\theta_2(\mathbf{x_R}, \mathbf{y_R})\right)$$
(1)