Initial and Final Energy Value for the XXZ Model ($\Delta = 2$)

$n = 5$

$\Delta E = 4.04e - 02$

$E_{\text{LTI}}(5)$

$E_{\text{LTI}}(4)$

$E_{\text{LTI}}(5)$

Ground State Energy After the Gradient Search

Ground State Energy Before the Gradient Search

- $\chi = 2$
- $\chi = 3$
- $\chi = 4$
- $\chi = 5$
- $\chi = 6$
- $\chi = 7$