Initial and Final Energy Value for XX Model n = 5 $\Delta E = 2.02e - 02$ $E_{\mathrm{LTI}}(5)$ Ground State Energy After the Gradient Search -0.33335-0.33340-0.33345-0.33350 $\chi = 2$ $\chi = 3$ $\chi = 4$ $\chi = 5$ -0.33355 $\chi = 6$ $\chi = 7$ $E_{\rm LTI}(4)$ $E_{\rm LTI}(5)$ -0.3475-0.3400-0.3525-0.3500-0.3450-0.3425-0.3375-0.3350

Ground State Energy Before the Gradient Search