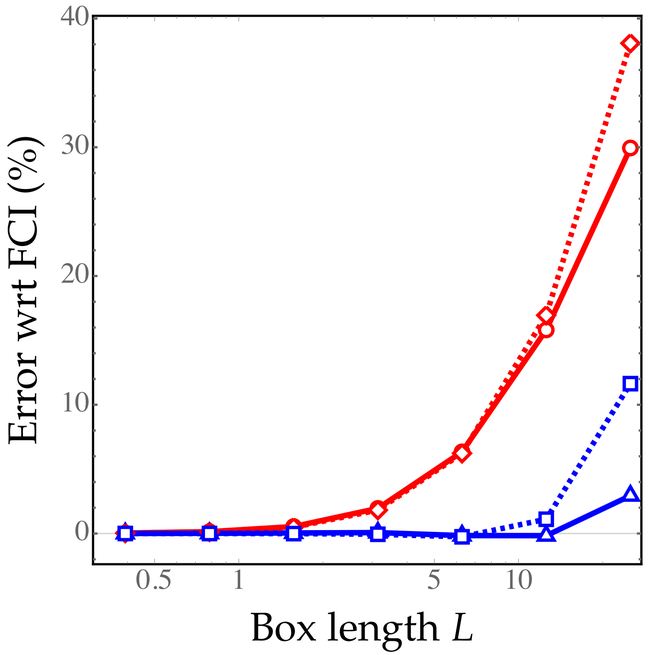
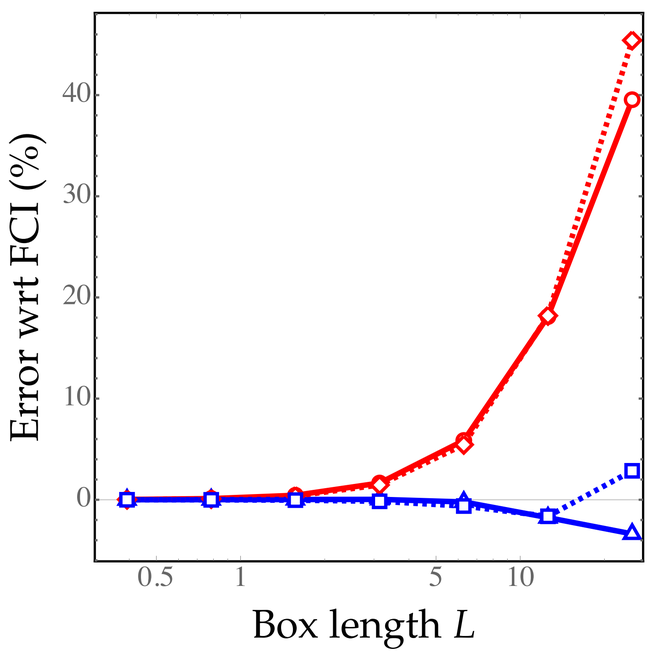
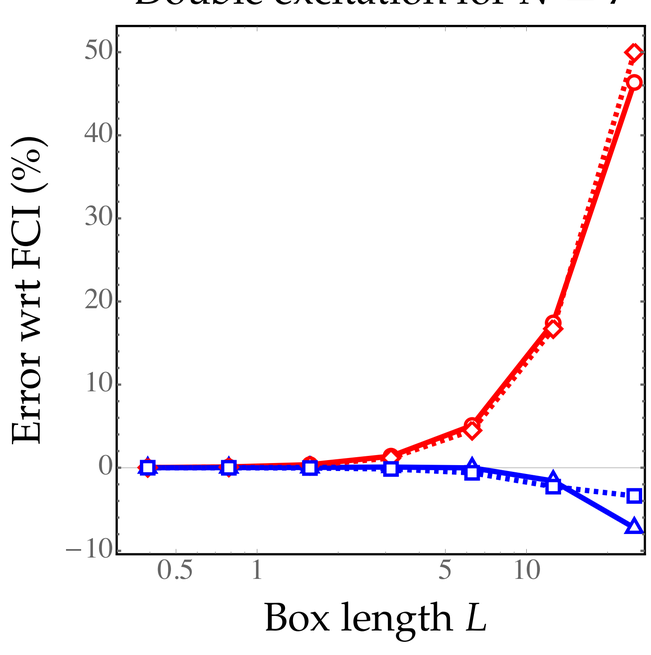
Double excitation for $N = 3$

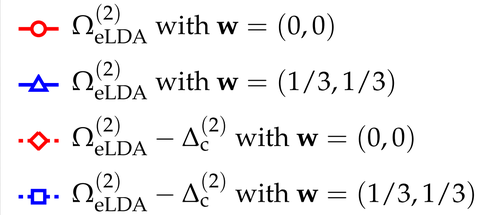


Double excitation for $N = 5$

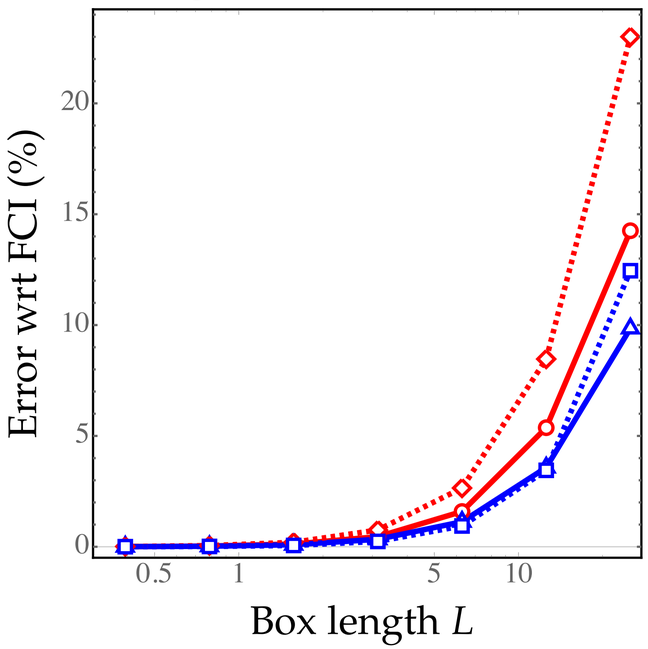


Double excitation for $N = 7$

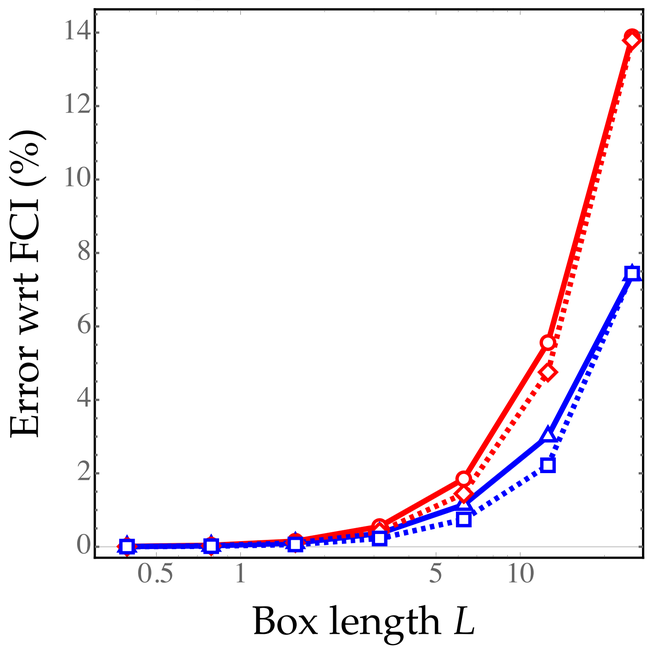
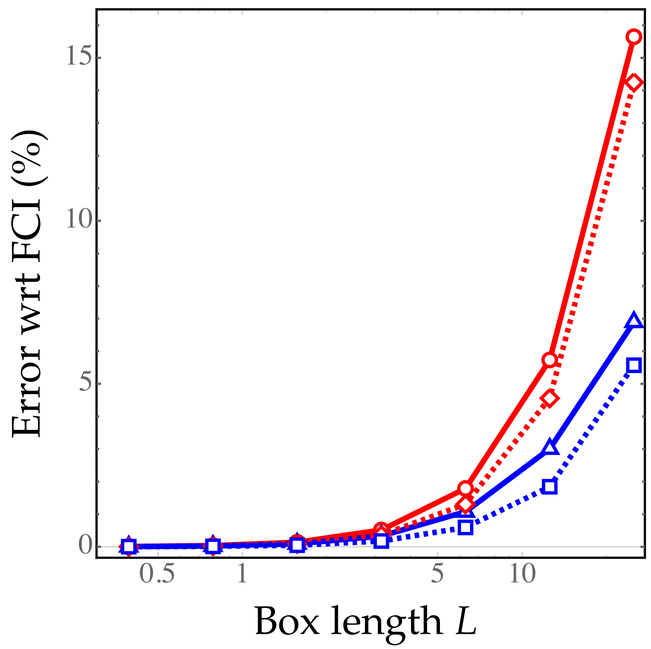
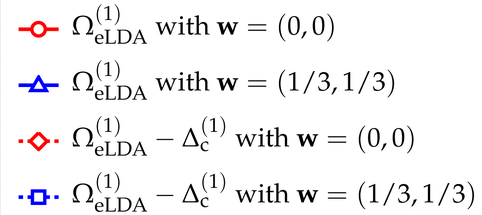




Single excitation for $N = 3$



Single excitation for $N = 5$



Single excitation for $N = 7$