

Graphite Surprise Major

Figure 1 displays eight 8x8 grids (labeled 1 through 8) illustrating the evolution of a 1D Ising model. Each grid contains a sequence of numbers 1 through 8, representing the state of 8 sites. The grids are arranged in a 4x2 grid. The numbers are color-coded: 1, 3, 5, and 7 are red; 2, 4, 6, and 8 are blue. Blue lines connect sites of the same color (1, 3, 5, 7) across adjacent rows, representing interactions. Red lines connect sites of different colors (2, 4, 6, 8), representing the Hamiltonian terms. The grids show the progression of the system from an initial state (1) to a final state (8).