

The figure displays a 3x3 grid of 9 diagrams, each representing a 2x2 arrangement of four vertices. Each vertex is connected to its four neighbors by lines, and the connections are labeled with arrows indicating direction. The diagrams are arranged in a 3x3 grid, with each diagram occupying one of the nine cells. The arrows at each vertex point in various directions, including up, down, left, right, and diagonally, representing different configurations of the 3D Ising model.