

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 pointing in different directions (up, down, left, right). The diagrams are arranged in a 3x3 grid, with each diagram occupying one of the nine cells. The arrows on the lines represent different configurations of the 3D Ising model, likely related to the 3D Ising model's phase transitions.