

A diagram of a 1D chain with various interactions and a central excitation. The chain consists of a series of gray rectangular blocks representing sites. Between the sites, there are different types of interactions: double-headed arrows (representing hopping or exchange), single-headed arrows (representing asymmetric interactions), and vertical bars (representing other types of interactions). In the center of the chain, there is a green block followed by a red block, which is then followed by a blue block. These three blocks are connected by a double-headed arrow, indicating a strong interaction between them. The entire chain is enclosed in a larger gray rectangular frame.

5 kb