

Figure 1 consists of two parts, (a) and (b), illustrating the 2D lattice structure. Part (a) shows a 2D lattice with sites labeled M, L, and XL. The lattice is composed of a central 2x2 block of sites, with additional sites attached to the sides. The sites are labeled M, L, and XL, representing different types of sites. Part (b) shows a 2D lattice with sites labeled M, L, and XL, and a 1D chain with sites labeled M, L, and XL. The lattice is composed of a central 2x2 block of sites, with additional sites attached to the sides. The sites are labeled M, L, and XL, representing different types of sites.