

A hexagonal lattice structure is shown, consisting of three main hexagonal cells arranged in a triangular pattern. The edges of these cells are colored in various colors: magenta, green, blue, yellow, red, and purple. Additionally, there are several internal connections between the vertices of the cells, represented by short line segments in various colors (red, green, blue, yellow, purple, brown). The entire structure is plotted on a coordinate system with x-axis labels at 0, 500, 1000, 1500, and 2000.

