

The diagram illustrates the E6 series of Dynkin diagrams, showing a hierarchical branching structure. The root node is **E6-6-3-12**. It branches into **E6-5-4-3-12**, **E6-5-4-3-11**, and **E6-5-4-3-10**. Each of these nodes further branches into more nodes, representing the full E6 series. The diagrams are labeled with their respective Dynkin diagram types and weights. The structure is highly symmetric and recursive, with many nodes having multiple children. The labels are in a mix of bold and regular fonts, and some are in italics. The diagram is a visual representation of the mathematical structure of the E6 series.