

The diagram illustrates the structure of the  $E_6$  series of Dynkin diagrams. At the top is the diagram  $E_6(-62)$ , which has 6 nodes. It branches into 4 diagrams:  $E_6(-61)$ ,  $E_6(-60)$ ,  $E_6(-59)$ , and  $E_6(-58)$ . These then branch into 8 diagrams, and so on, ending in 32 diagrams at the bottom. Each diagram is a graph of nodes and edges, with some nodes labeled with numbers in blue.