

Diagram illustrating the construction of a Coxeter-Dynkin diagram for a 6D root system, showing the root system structure and the corresponding Dynkin diagram.

The diagram is a tree structure starting from a root node labeled "ROOT -5 -3 1 -2 -6 4". The root node has two children: a left child labeled "-5 -3 1 2 -6 4" and a right child labeled "-5 -4 6 -2 19". The left child has two children: a left child labeled "-5 -4 6 2 -1 3" and a right child labeled "-5 6 2 -1 3 4". The right child has two children: a left child labeled "-5 -4 6 1 2 3" and a right child labeled "-5 6 1 2 3 4". The right child has two children: a left child labeled "-5 -4 6 1 2 3" and a right child labeled "-5 6 1 2 3 4". The right child has two children: a left child labeled "-5 -4 6 1 2 3" and a right child labeled "-5 6 1 2 3 4".

The diagram shows the root system structure and the corresponding Dynkin diagram. The root system is a 6D root system, and the Dynkin diagram is a 6D Dynkin diagram. The root system is a 6D root system, and the Dynkin diagram is a 6D Dynkin diagram.