

Diagram illustrating the structure of the W_{24} Coxeter group, showing the root system and its associated Dynkin diagram. The diagram is a tree structure with nodes labeled by their corresponding roots (e.g., $4-6-5-1-3-2$, $4-5$, $2-3$, etc.) and edges representing the simple roots. The diagram is divided into several sections, each showing a different part of the root system. The labels are in blue text.