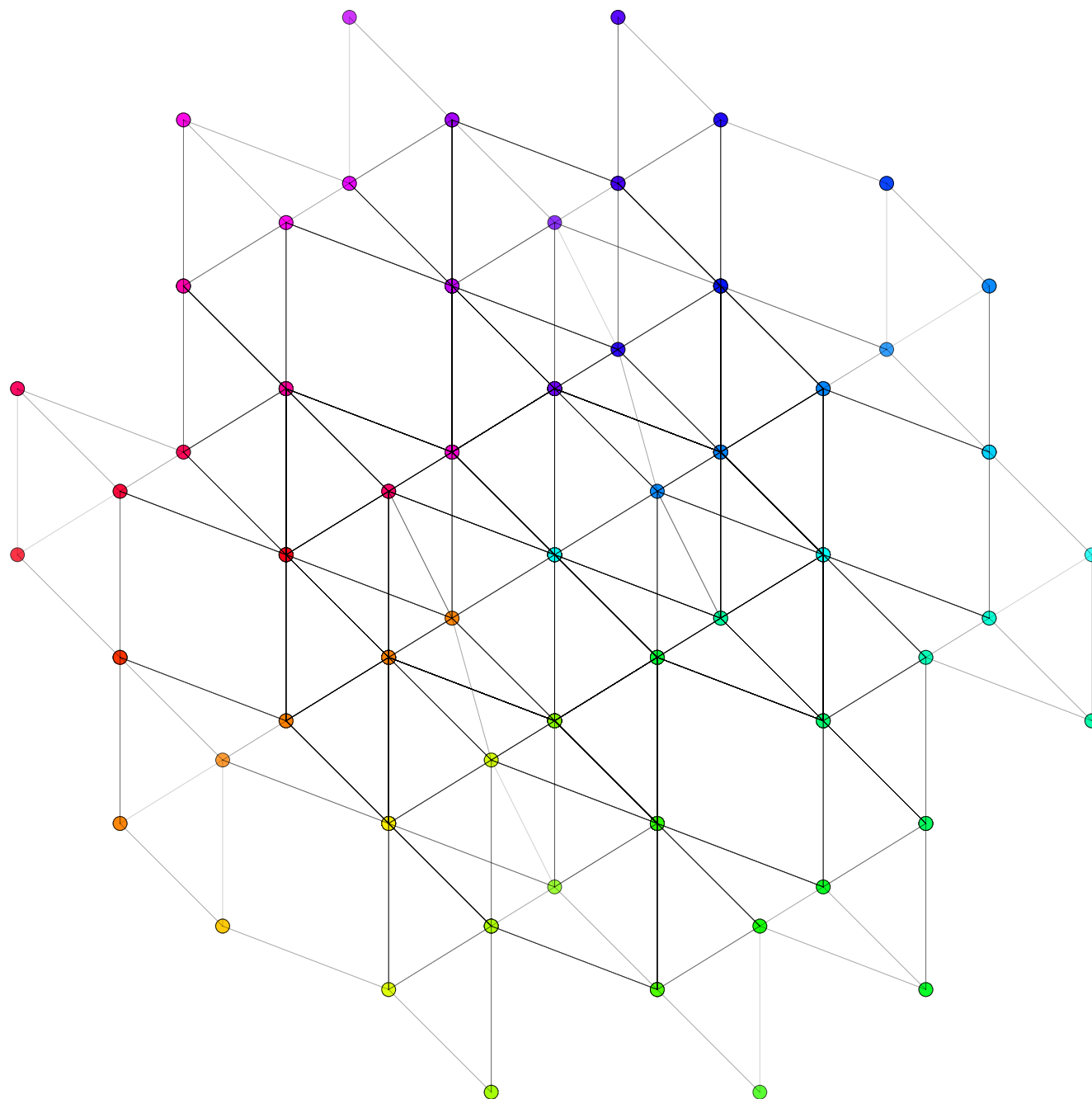


Figure 1: E_8 Root System Projection (240 roots, Gosset 4_{21} polytope)



$E_8 \rightarrow H_4$ projection shows icosahedral symmetry (ϕ -based)