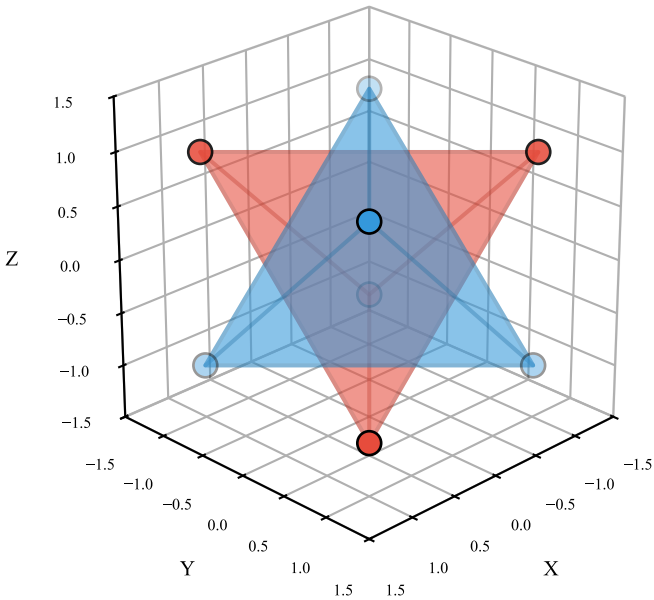
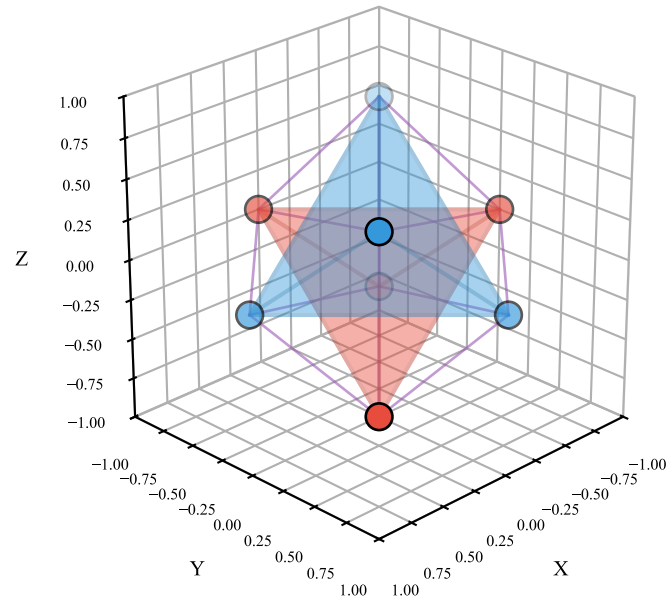


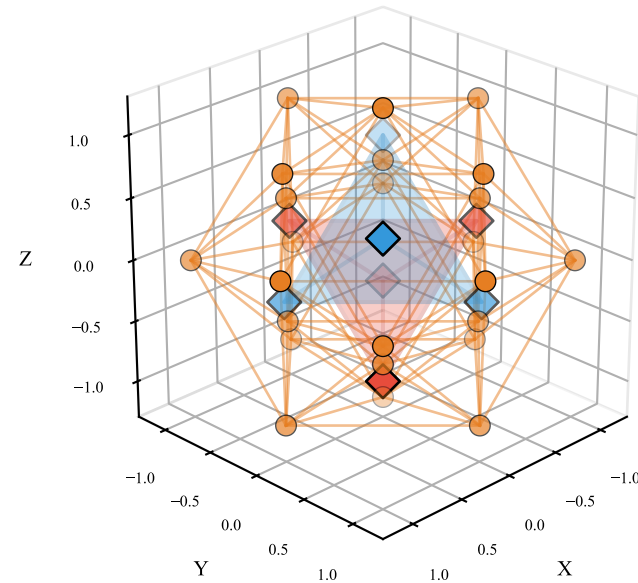
(a) Stella Octangula
 T_+ (blue) \cup T_- (red)



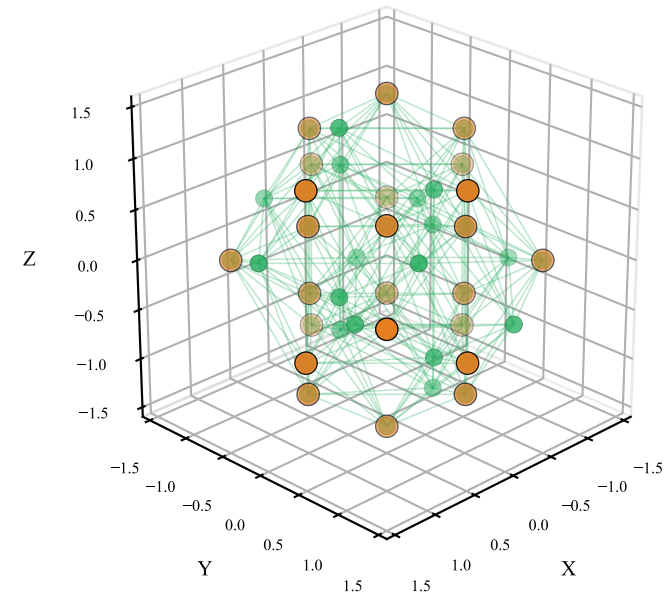
(b) 16-cell (B_4)
 $\phi: T_{\pm} \rightarrow \pm e_i$



(c) 24-cell (D_4)
 16-cell $\subset D_4$ roots



(d) $\mathfrak{so}(10)$ (D_5)
 $D_4 \subset D_5$ (40 roots)



(e) GUT Embedding Chain



$\sin^2 \theta_W = 3/8 \text{ at GUT scale}$