

Groups	Generators
$\text{Stab}(1) = \pi_4(S^3) [\cong \mathbb{Z}_2]$	$\text{su}(\text{pr}_*(\text{sph}_3))$
$\text{Stab}(2) = \pi_6(S^4) [\cong \mathbb{Z}_2]$	$\text{su}^2(\text{pr}_*(\text{sph}_3)) \circ \text{su}^3(\text{pr}_*(\text{sph}_3))$
$\text{Stab}(3) = \pi_8(S^5) [\cong \mathbb{Z}_{24}]$	$\text{su}(\text{pr}_*(\text{sph}_7))$
$\text{Stab}(4) = \pi_{10}(S^6) [=0]$	-
$\text{Stab}(5) = \pi_{12}(S^7) [=0]$	-
$\text{Stab}(6) = \pi_{14}(S^8) [\cong \mathbb{Z}_2]$	$\text{su}^4(\text{pr}_*(\text{sph}_7)) \circ \text{su}^7(\text{pr}_*(\text{sph}_7))$
$\text{Stab}(7) = \pi_{16}(S^9) [\cong \mathbb{Z}_{240}]$	$\text{su}(\text{pr}_*(\text{sph}_{15}))$

Table 2

k	Stab(k)	k	Stab(k)
8	$\mathbb{Z}_2 \oplus \mathbb{Z}_2$	12	0
9	$\mathbb{Z}_2 \oplus \mathbb{Z}_2 \oplus \mathbb{Z}_2$	13	\mathbb{Z}_3
10	\mathbb{Z}_2	14	$\mathbb{Z}_6 \oplus \mathbb{Z}_2$
11	\mathbb{Z}_{504}	15	$\mathbb{Z}_{480} \oplus \mathbb{Z}_2$

Table 3