

Table 1: Census of planar discrete group actions of genus $g = 2$

Ref	Signature	SMG id	Structure	#epi	#strong	#equiv
O2.3	$(0; \{2^6\})$	$\langle 2, 1 \rangle$	\mathbb{Z}_2	1	1	1
O2.4	$(0; \{3, 3, 3, 3\})$	$\langle 3, 1 \rangle$	\mathbb{Z}_3	6	3	1
O2.5	$(0; \{2^5\})$	$\langle 4, 2 \rangle$	$\mathbb{Z}_2 \times \mathbb{Z}_2$	60	10	1
O2.6	$(0; \{2, 2, 4, 4\})$	$\langle 4, 1 \rangle$	\mathbb{Z}_4	2	1	1
O2.7	$(0; \{5, 5, 5\})$	$\langle 5, 1 \rangle$	\mathbb{Z}_5	12	3	1
O2.8	$(0; \{2, 2, 3, 3\})$	$\langle 6, 1 \rangle$	$\text{Sym}(3)$	12	2	1
O2.9	$(0; \{2, 2, 3, 3\})$	$\langle 6, 2 \rangle$	\mathbb{Z}_6	2	1	1
O2.10	$(0; \{3, 6, 6\})$	$\langle 6, 2 \rangle$	\mathbb{Z}_6	2	1	1
O2.11	$(0; \{2, 2, 2, 4\})$	$\langle 8, 3 \rangle$	D_8	24	3	1
O2.12	$(0; \{4, 4, 4\})$	$\langle 8, 4 \rangle$	Q_8	24	1	1
O2.13	$(0; \{2, 8, 8\})$	$\langle 8, 1 \rangle$	\mathbb{Z}_8	4	1	1
O2.14	$(0; \{2, 5, 10\})$	$\langle 10, 2 \rangle$	\mathbb{Z}_{10}	4	1	1
O2.15	$(0; \{2, 2, 2, 3\})$	$\langle 12, 4 \rangle$	D_{12}	36	3	1
O2.16	$(0; \{3, 4, 4\})$	$\langle 12, 1 \rangle$	$\mathbb{Z}_3 : \mathbb{Z}_4$	12	1	1
O2.17	$(0; \{2, 6, 6\})$	$\langle 12, 5 \rangle$	$\mathbb{Z}_6 \times \mathbb{Z}_2$	12	1	1
O2.18	$(0; \{2, 4, 8\})$	$\langle 16, 8 \rangle$	$QD16$	16	1	1
O2.19	$(0; \{3, 3, 4\})$	$\langle 24, 3 \rangle$	$SL(2, 3)$	24	1	1
O2.20	$(0; \{2, 4, 6\})$	$\langle 24, 8 \rangle$	$(\mathbb{Z}_6 \times \mathbb{Z}_2) : \mathbb{Z}_2$	24	1	1
O2.21	$(0; \{2, 3, 8\})$	$\langle 48, 29 \rangle$	$GL(2, 3)$	48	1	1