

As a generator of $H^1(\mathbb{P}^0(3,2), \mathbb{P}_{3,2}^0(2))$
 we get $\alpha_3 = [\tilde{I}_0^2 + \tilde{I}_e^2]$

NON [↑] co-ori. version

$$\textcircled{Q} \quad \tilde{I}_*^2$$

Corollary

$|\tilde{I}^2(f)| \in \mathbb{Z}_2$ is a

cobordism invariant of f

Theorem

$$M(2) \xrightarrow{\cong} \mathbb{Z} \oplus \mathbb{Z}_2$$

$$[f] \mapsto (\max(f) - \min(f), |\tilde{I}^2(f)|)$$

$$(M^{SO}(2) \xrightarrow{\cong} \mathbb{Z})$$

$$[f] \mapsto (\max(f) - \min(f))$$

[univ. cpx of sing. fibers \leadsto COMPLETE
 cob. inv. !]