

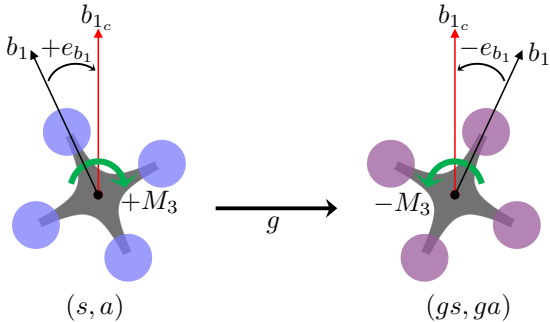


Fig. 3. Illustration of the group action corresponding to the reflection symmetry with respect to the finite cyclic subgroup $G = \{1, -1\}$. The reflectional action $g \in G$ transforms the original state-action pair (s, a) (left) into the reflected pair $g(s, a)$ (right), preserving the symmetry of the yaw error dynamics.