

$$\mathbb{E}_i \left[\text{---} \boxed{S_{i_1}} \text{---} \boxed{S_{i_2}} \text{---} \dots \text{---} \boxed{S_{i_m}} \text{---} \right] = \text{---} \boxed{W[\Lambda]^m} \text{---}$$

Imperfect twirling sequence Equivalent depolarizing channel

$$\text{---} \boxed{S_{i_k}} \text{---} = \text{---} \boxed{U_1} \text{---} \boxed{U_2} \text{---}$$

Clifford Decomposition into gates