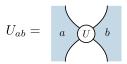
Complex Hadamard matrix

A biunitary with two opposite shaded regions



Corresponds to a complex Hadamard matrix

$$U^{\dagger}U=UU^{\dagger}=q\,\mathbb{1}$$
 and $|U_{ab}|=1, orall a,b$

Represents either one-site unitary or two-site controlled phase

