

$$\begin{aligned}
0 \in U &\subseteq_{\text{off}} \mathbb{C}^n \\
\underline{U - U} \cap \Lambda &= 0 \\
\alpha &\in \mathbb{C}^n
\end{aligned}$$

$$\mathbb{C}^n \supseteq_{\text{off}} U + \alpha \xrightarrow[\text{homeo}]{\pi|_{U + \alpha}} \pi(U + \alpha) \subseteq_{\text{off}} \mathbb{C}^n / \Lambda$$

$$\begin{aligned}
z \in U + \alpha \ni w &\Rightarrow z - \alpha \in U \ni w - \alpha \\
\pi(z) = \pi(w) &\Rightarrow \Lambda \ni z - w = (z - \alpha) - (w - \alpha) \in U - U \Rightarrow z - w = 0 \Rightarrow z = w
\end{aligned}$$

$$\phi_\alpha^{-1}(\pi(U + \alpha) \cap \pi(U + \beta)) = \frac{z \in U + \alpha}{z + \Lambda}$$

