

$$\begin{aligned}
\mathbb{C}_n^{\mathbb{K}} & \cong_{1:1} \mathbb{U}_n^{\mathbb{K}} \\
& \cong_{1:1} \mathbb{K}_n^{\mathbb{U}} / \mathbb{K}_n^{\mathbb{C}} \\
& \cong_{1:1} \mathbb{R}_n^{\mathbb{U}} / \mathbb{R}_n^{\mathbb{C}} \\
& \cong_{1:1} \mathbb{C}_n^{\mathbb{U}} / \mathbb{C}_n^{\mathbb{C}} \\
& \cong_{1:1} \mathbb{H}_n^{\mathbb{U}} / \mathbb{H}_n^{\mathbb{C}}
\end{aligned}$$