

$$G = \mathbb{K}_n^{\mathbb{C}}$$

$${}^n\mathbb{K}_n^{\mathbb{C}}$$

$$G = \mathbb{R}_n^{\mathbb{C}}$$

$$G = \mathbb{C}_n^{\mathbb{C}}$$

$$G = \mathbb{H}_n^{\mathbb{C}}$$

$${}^n\mathbb{K}_n^{\mathbb{C}} = \begin{cases} {}^n\mathbb{R}_n^{\mathbb{C}} \\ {}^n\mathbb{C}_n^{\mathbb{C}} \\ {}^n\mathbb{H}_n^{\mathbb{C}} \end{cases} \xleftarrow{\text{exp}} \begin{cases} {}^n\mathbb{R}_n^{\mathbb{E}} \\ {}^n\mathbb{C}_n^{\mathbb{E}} \\ {}^n\mathbb{H}_n^{\mathbb{E}} \end{cases} = {}^n\mathbb{K}_n^{\mathbb{E}}$$