

$${}^0_n\mathbb{R}^n \times \mathfrak{h} \subset {}^n\mathbb{R}_\mathbb{C}^n \times \mathfrak{h}$$

✕ metr

$${}^0_n\mathbb{R}^n \times \mathfrak{h} = \bigcup_{\alpha} {}^0_n\mathbb{R}^n \times \mathfrak{h}_{\alpha} \times \alpha \text{ int}$$

$$\underbrace{{}^0_n\mathbb{R}^n}_{\alpha} \times \mathfrak{h} = \underbrace{{}^0_n\mathbb{R}^n}_{\beta} \times \mathfrak{h}$$