

$$\begin{aligned}
& \overbrace{t|\times\mathbb{R}^d}_{\triangleleft\mathbb{R}}^* = |t|\times\mathbb{R}^d_{\triangleleft\mathbb{R}} \\
t|t|\times\mathbb{R}^d_{\triangleleft\mathbb{R}} &= \mathbb{C}|t|\times\mathbb{R}^d_{\triangleleft\mathbb{R}} = \underbrace{t|\times\mathbb{R}^d_{\triangleleft\mathbb{R}}}_{\times} \underbrace{|t|\times\mathbb{R}^d_{\triangleleft\mathbb{R}}}_{\times} \\
& \xleftarrow{t|t|\times\mathbb{R}^d:s_{\triangleleft\mathbb{R}}:/} t|\times\mathbb{R}^d_{\triangleleft\mathbb{R}} \\
& \overbrace{0|\times\mathbb{R}^d}_{\triangleleft\mathbb{R}}^* = |0|\times\mathbb{R}^d_{\triangleleft\mathbb{R}} \\
0|0|\times\mathbb{R}^d_{\triangleleft\mathbb{R}} &= \mathbb{C}|0|\times\mathbb{R}^d_{\triangleleft\mathbb{R}} = \underbrace{0|\times\mathbb{R}^d_{\triangleleft\mathbb{R}}}_{\times} \underbrace{|0|\times\mathbb{R}^d_{\triangleleft\mathbb{R}}}_{\times} \\
& \xleftarrow{0|0|\times\mathbb{R}^d:s_{\triangleleft\mathbb{R}}:/} 0|\times\mathbb{R}^d_{\triangleleft\mathbb{R}} \\
& \overbrace{0|0|\times\mathbb{R}^d:s_{\triangleleft\mathbb{R}}:/}^{\mathbb{F}} e^{i\sim\mathbb{G}} = \mathbb{F}_x e^{i\mathbb{F}|\mathbb{G}}
\end{aligned}$$