$$\begin{cases} \Gamma^{\triangledown}_{0}\Gamma_{\mho} \subset \Gamma^{\triangledown}_{0}\Gamma_{\bigcirc} \\ {}^{n}_{\mho}\mathbb{K}_n \subset {}^{n}_{\bigcirc}\mathbb{K}_n \end{cases} \xrightarrow[\rtimes \begin{array}{c|c} 1 & 1 \\ \hline -1 & 1 \end{array} /\sqrt{2}]{g_e} \begin{cases} \Gamma^{\triangledown}_{0}\Gamma_{\bigcirc} \supset \Gamma^{\triangledown}_{0}\Gamma_{\mho} \\ {}^{n}_{\bigcirc}\mathbb{K}_n \supset {}^{n}_{\mho}\mathbb{K}_n \end{cases}$$

$$\Gamma = \begin{array}{c|c} 0 & 1 \\ \hline -1 & 0 \end{array} \in \mho\,(\Gamma\times\Gamma) \Longrightarrow \ \mathrm{int}\ \Gamma = \underbrace{e + \Gamma\overset{*}{e}\Gamma}\,\partial_{\Gamma} = \underbrace{e+u^2}\,\partial_u$$

$$\Gamma^3 = -\Gamma \Rightarrow \exp(t\Gamma) = \begin{array}{c|c} {}^{t}\mathfrak{c} & {}^{t}\mathfrak{s} \\ \hline -{}^{t}\mathfrak{s} & {}^{t}\mathfrak{c} \end{array} \in \mho|\Gamma\times\Gamma$$

$$g_e = \exp\left(\frac{\pi}{4}\Gamma\right) \Rightarrow u\,g_{\varkappa e} = \overbrace{1-\varkappa u}^{-1}\,\underbrace{\varkappa+u}$$

$$\begin{cases} \Gamma^{\triangledown^{\mathfrak{D}}}_{0}\Gamma_{\mho} \subset \Gamma^{\triangledown^{\mathfrak{D}}}_{0}\Gamma_{\bigcirc} \\ {}^{n}_{\mho}\mathbb{K}^{\mathfrak{D}}_n \subset {}^{n}_{\bigcirc}\mathbb{K}^{\mathfrak{D}}_n \end{cases} \xrightarrow[\rtimes \begin{array}{c|c} 1 & \varkappa \\ \hline -\varkappa & 1 \end{array} /\sqrt{2}]{g_{\varkappa e}} \begin{cases} \Gamma^{\triangledown^{\mathfrak{D}}}_{0}\Gamma_{\bigcirc} \supset \Gamma^{\triangledown^{\mathfrak{D}}}_{0}\Gamma_{\mho} \\ {}^{n}_{\bigcirc}\mathbb{K}^{\mathfrak{D}}_n \supset {}^{n}_{\mho}\mathbb{K}^{\mathfrak{D}}_n \end{cases}$$

$$\Gamma = \begin{array}{cc} 0 & 1 \\ -1 & 0 \end{array} \in \mho \cap \ni|\Gamma\times\Gamma \Longrightarrow \ \mathrm{int}\ \Gamma = \underbrace{e + \Gamma\overset{*}{e}\Gamma}\,\partial_{\Gamma} = \underbrace{e+u^2}\,\partial_u$$

$$\Gamma^3 = -\Gamma \Rightarrow \exp(t\Gamma) = \begin{array}{c|c} {}^{t}\mathfrak{c} & {}^{t}\mathfrak{s} \\ \hline -{}^{t}\mathfrak{s} & {}^{t}\mathfrak{c} \end{array} \in \mho \cap \Omega|\Gamma\times\Gamma$$

$$u\,g_{\varkappa e} = \exp\left(\frac{\varkappa\pi}{4}\Gamma\right) \Rightarrow g_{\varkappa e} = \overbrace{1-\varkappa u}^{-1}\,\underbrace{\varkappa+u}$$

$$j_e = g_e^{-1}\,j_0\,g_e$$

$$\begin{cases} \mathbb{K}=\mathbb{R} & g_e \in {}^{n}\mathbb{C}^{\mho}_{n} \\ \mathbb{K}=\mathbb{C} & g_e \in {}^{n}\mathbb{H}^{\mho}_{n} \end{cases}$$

$$\left\{\begin{matrix} \Gamma\ltimes H \overset{\mathfrak{D}}{\underset{0}{\nabla}} \Gamma \underset{\mho}{\ltimes} H \subset \Gamma\ltimes H \overset{\mathfrak{D}}{\underset{0}{\nabla}} \Gamma \underset{\bigcirc}{\ltimes} H \\ {}_{m+k}\, {}_{\mho}\mathbb{K}^{\mathfrak{D}}_{m+k} \subset {}^{m+k}\, {}_{\bigcirc}\mathbb{K}^{\mathfrak{D}}_{m+k} \end{matrix}\right. \xrightarrow[\rtimes \left(\begin{array}{cc|cc} 1 & 0 & \varkappa & 0 \\ 0 & \sqrt{2} & 0 & 0 \\ \hline -\varkappa & 0 & 1 & 0 \\ 0 & 0 & 0 & \sqrt{2} \end{array}\right) /\sqrt{2}]{g_{\varkappa e}} \left\{\begin{matrix} \Gamma\ltimes H \overset{\mathfrak{D}}{\underset{0}{\nabla}} \Gamma \underset{\bigcirc}{\ltimes} H \supset \Gamma\ltimes H \overset{\mathfrak{D}}{\underset{0}{\nabla}} \Gamma \underset{\mho}{\ltimes} H \\ {}_{m+k}\, {}_{\bigcirc}\mathbb{K}^{\mathfrak{D}}_{m+k} \supset {}^{m+k}\, {}_{\mho}\mathbb{K}^{\mathfrak{D}}_{m+k} \end{matrix}\right.$$

$$\mathfrak{J} = \begin{array}{cc|cc} 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 0 \\ \hline -1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 \end{array} \in \mho \cap \mathfrak{D} | \Gamma\ltimes H \ltimes \Gamma\ltimes H \Longrightarrow \operatorname{int} \mathfrak{J} = \underbrace{e + \mathfrak{r} \overset{*}{e} \mathfrak{r}}\, \partial_{\mathfrak{r}} = \begin{array}{c|c} e + u^2 & uv \\ \hline \overset{+}{v} u & \overset{+}{v} v \end{array} \partial_{\mathfrak{r}}$$

$$\mathfrak{J}^3 = -\mathfrak{J} \Rightarrow \exp(\mathfrak{J}) = \begin{array}{cc|cc} {}^t\mathfrak{c} & 0 & {}^t\mathfrak{s} & 0 \\ 0 & 1 & 0 & 0 \\ \hline -{}^t\mathfrak{s} & 0 & {}^t\mathfrak{c} & 0 \\ 0 & 0 & 0 & 1 \end{array} \in \mho \cap \Omega | \Gamma\ltimes H \ltimes \Gamma\ltimes H$$

$$g_{\varkappa e} = \exp\left(\frac{\varkappa\pi}{4}\mathfrak{J}\right) \Rightarrow \begin{array}{c|c} u & v \\ \hline \overset{+}{v} & w \end{array} g_{\varkappa e} = \begin{array}{c|c} (1-\varkappa u)^{-1} \underbrace{\varkappa + u} & \sqrt{2}(1-\varkappa u)^{-1} v \\ \hline \sqrt{2}\overset{+}{v}(1-\varkappa u)^{-1} & \sqrt{2}\varkappa\overset{+}{v}(1-\varkappa u)^{-1} v + w \end{array}$$

$$j_e = g_e^{-1}\, j_0\, g_e$$