

$$\left\{\begin{array}{l} \mathbb{K}^{\mathfrak{U}}\mathbf{\times}H\subset \mathbb{K}^{\mathfrak{O}}\mathbf{\times}H\\ \mathbb{K}^{1+m}_{\mathfrak{U}}\subset \mathbb{K}^{1+m}_{\mathfrak{O}} \end{array}\right. \xrightarrow{g_{\varkappa e}} \left\{\begin{array}{l} \mathbb{K}^{\mathfrak{O}}\mathbf{\times}H\supset \mathbb{K}^{\mathfrak{U}}\mathbf{\times}H\\ \mathbb{K}^{1+m}_{\mathfrak{O}}\supset \mathbb{K}^{1+m}_{\mathfrak{U}} \end{array}\right.$$

$$\frac{1}{\sqrt{2}}\mathbf{\times} \left[\begin{array}{cc|cc} \frac{1}{\sqrt{2}} & \varkappa & 0 & -\frac{1}{\sqrt{2}} \\ -\varkappa & 0 & 0 & -\varkappa \\ 0 & 0 & 1 & 0 \\ -\frac{1}{\sqrt{2}} & \varkappa & 0 & \frac{1}{\sqrt{2}} \end{array}\right]$$

$$\mathfrak{L}=\frac{\begin{array}{cc|cc} 0 & \sqrt{2} & 0 & 0 \\ -\sqrt{2} & 0 & 0 & -\sqrt{2} \\ 0 & 0 & 0 & 0 \\ 0 & \sqrt{2} & 0 & 0 \end{array}}{\hspace{1.5cm}}\in \mathfrak{U}\cap \mathfrak{D}|\mathbb{K}\mathbf{\times}\mathfrak{L}\mathbf{\times}\mathbb{K}$$

$$\Rightarrow \text{int } \mathfrak{L} = \left(e + z \check{e} z\right) \frac{\partial}{\partial z} = \left(e + (z \mathbf{\times} e) z - z \check{z}/2\right) \partial_z = \left(\sqrt{2} + \frac{\eta^2 - h \overset{+}{h}}{\sqrt{2}}\right) \partial_{\eta} + \sqrt{2} \eta h \partial_h$$

$$\mathfrak{L}^3=-4\mathfrak{L}\Rightarrow \exp\left(t\mathfrak{L}/2\right)=\frac{1}{2}\frac{\begin{array}{cc|cc} 1+{}^t\mathfrak{c} & \sqrt{2}{}^t\mathfrak{s} & 0 & {}^t\mathfrak{c}-1 \\ -\sqrt{2}{}^t\mathfrak{s} & 2{}^t\mathfrak{c} & 0 & -\sqrt{2}{}^t\mathfrak{s} \\ 0 & 0 & 1 & 0 \\ -1-{}^t\mathfrak{c} & \sqrt{2}{}^t\mathfrak{s} & 0 & 1+{}^t\mathfrak{c} \end{array}}{\hspace{1.5cm}}\in \mathfrak{U}\cap \mathfrak{D}|\mathbb{K}\mathbf{\times}\mathfrak{L}\mathbf{\times}\mathbb{K}$$

$$g_{\varkappa e}=\exp\left(\frac{\varkappa\pi}{8}\mathfrak{L}\right)\Rightarrow {}^{\eta\cdot h}g_{\varkappa e}=\frac{\sqrt{2}\varkappa\left(2-\eta^2-h\overset{+}{h}\right):4h}{2-2\sqrt{2}\varkappa\eta+\eta^2+h\overset{+}{h}}$$

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