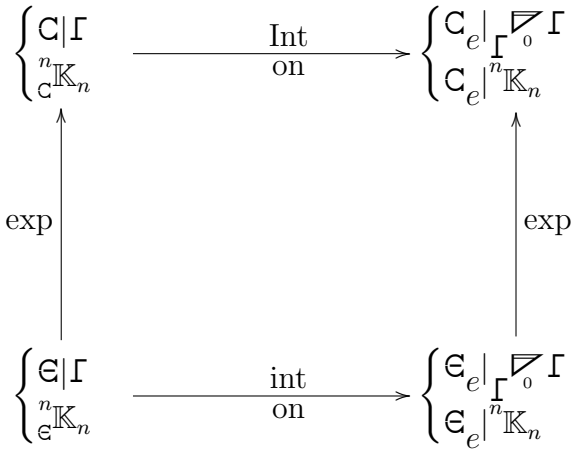
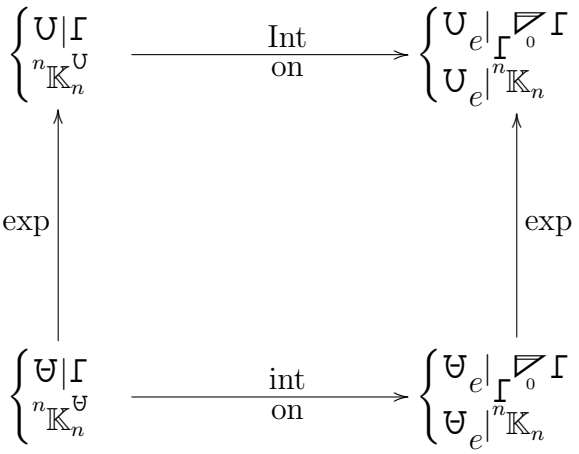
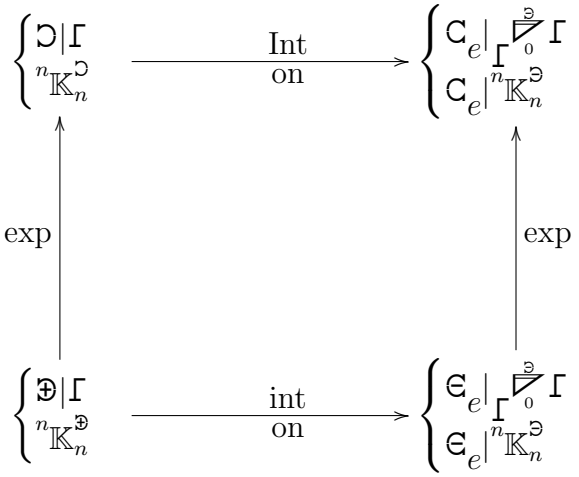


$$\mathsf{J} \rtimes \mathsf{J} = \mathsf{J}^{-1}\mathsf{J}\mathsf{J}\colon \quad \mathsf{J} \ltimes \mathsf{J} = -\mathsf{J}\mathsf{J} + \mathsf{J}\mathsf{J}$$



$$\mathsf{J} \rtimes \mathsf{J} = \mathsf{J}^{*}\mathsf{J}\mathsf{J}\colon \quad \mathsf{J} \ltimes \mathsf{J} = \mathsf{J}^{*}\mathsf{J} + \mathsf{J}\mathsf{J}$$



$$\mathit{\Gamma} \rtimes \mathit{\Gamma} = \mathit{\Gamma}^{-1}\,\mathit{\Gamma}\mathit{\Gamma}\text{:}\quad \mathit{\Gamma} \ltimes \mathit{\Gamma} = -\mathit{\Gamma}\mathit{\Gamma} + \mathit{\Gamma}\mathit{\Gamma}$$

$$\begin{array}{ccc}
\left\{\begin{array}{l}\mathfrak{O}\mathfrak{U}|\mathit{\Gamma}\\ {}^{n}\mathbb{K}_{n}^{\mathfrak{O}\mathfrak{U}}\end{array}\right. & \xrightarrow[\text{on}]{\text{Int}} & \left\{\begin{array}{l}\mathfrak{U}_{e}|_{\mathit{\Gamma}}{}^{\overset{\mathfrak{D}}{\nabla}_{0}\mathit{\Gamma}}\\ \mathfrak{U}_{e}|^{n}\mathbb{K}_{n}^{\mathfrak{D}}\end{array}\right.\\
\uparrow \exp & & \uparrow \exp\\
\left\{\begin{array}{l}\mathfrak{B}\mathfrak{H}|\mathit{\Gamma}\\ {}^{n}\mathbb{K}_{n}^{\mathfrak{B}\mathfrak{H}}\end{array}\right. & \xrightarrow[\text{on}]{\text{int}} & \left\{\begin{array}{l}\mathfrak{H}_{e}|_{\mathit{\Gamma}}{}^{\overset{\mathfrak{D}}{\nabla}_{0}\mathit{\Gamma}}\\ \mathfrak{H}_{e}|^{n}\mathbb{K}_{n}^{\mathfrak{D}}\end{array}\right.
\end{array}$$

$$\mathit{\Gamma} \rtimes \mathit{\Gamma} = \mathit{\Gamma}^{-1}\,\mathit{\Gamma}\mathit{\Gamma} = \overset{\sharp}{\mathit{\Gamma}}\,\mathit{\Gamma}\mathit{\Gamma}\text{:}\quad \mathit{\Gamma} \ltimes \mathit{\Gamma} = -\mathit{\Gamma}\mathit{\Gamma} + \mathit{\Gamma}\mathit{\Gamma} = \mathit{\Gamma}\mathit{\Gamma} + \overset{\sharp}{\mathit{\Gamma}}\,\mathit{\Gamma}$$

$$\begin{array}{ccc}
\left\{\begin{array}{l}\mathfrak{Q}|H\times H\\ {}_{2r}\mathbb{K}_{2r}^{\mathfrak{Q}}\end{array}\right. & \xrightarrow[\text{on}]{\text{Int}} & \left\{\begin{array}{l}\mathfrak{C}_{e}|_{H\times H}{}^{\overset{\mathfrak{D}}{\nabla}_{0}H\times H}\\ \mathfrak{C}_{e}|^{2r}\mathbb{K}_{2r}^{\mathfrak{D}}\end{array}\right.\\
\uparrow \exp & & \uparrow \exp\\
\left\{\begin{array}{l}\mathfrak{E}|H\times H\\ {}_{2r}\mathbb{K}_{2r}^{\mathfrak{E}}\end{array}\right. & \xrightarrow[\text{on}]{\text{int}} & \left\{\begin{array}{l}\mathfrak{E}_{e}|_{H\times H}{}^{\overset{\mathfrak{D}}{\nabla}_{0}H\times H}\\ \mathfrak{E}_{e}|^{2r}\mathbb{K}_{2r}^{\mathfrak{D}}\end{array}\right.\\
\left\{\begin{array}{l}\mathfrak{Q}\mathfrak{U}|H\times H\\ {}_{2r}\mathbb{K}_{2r}^{\mathfrak{Q}\mathfrak{U}}\end{array}\right. & \xrightarrow[\text{on}]{\text{Int}} & \left\{\begin{array}{l}\mathfrak{U}_{e}|_{H\times H}{}^{\overset{\mathfrak{D}}{\nabla}_{0}H\times H}\\ \mathfrak{U}_{e}|^{2r}\mathbb{K}_{2r}^{\mathfrak{D}}\end{array}\right.\\
\uparrow \exp & & \uparrow \exp\\
\left\{\begin{array}{l}\mathfrak{E}\mathfrak{H}|H\times H\\ {}_{2r}\mathbb{K}_{2r}^{\mathfrak{E}\mathfrak{H}}\end{array}\right. & \xrightarrow[\text{on}]{\text{int}} & \left\{\begin{array}{l}\mathfrak{H}_{e}|_{H\times H}{}^{\overset{\mathfrak{D}}{\nabla}_{0}H\times H}\\ \mathfrak{H}_{e}|^{2r}\mathbb{K}_{2r}^{\mathfrak{D}}\end{array}\right.
\end{array}$$

$$\mathbb{J} \rtimes \mathbb{J} = \mathbb{J}^{-1}\mathbb{J}\mathbb{J}\colon \quad \mathbb{J} \rtimes \mathbb{J} = -\mathbb{J}\mathbb{J} + \mathbb{J}\mathbb{J}$$

$$\begin{array}{ccc}
{}^{r}\mathbb{K}_{r}^{\mathfrak{U}} & \xrightarrow[\text{on}]{\text{Int}} & \mathfrak{U}_{e}|{}^{r}\mathbb{K}_{r}^{\mathfrak{W}} \\
\uparrow{\scriptstyle \exp} & & \uparrow{\scriptstyle \exp} \\
{}^{r}\mathbb{K}_{r}^{\mathfrak{V}} & \xrightarrow[\text{on}]{\text{int}} & \mathfrak{V}_{e}|{}^{r}\mathbb{K}_{r}^{\mathfrak{W}}
\end{array}$$

$$\mathbb{J} \rtimes \mathbb{J} = \mathbb{J}^{*}\mathbb{J}\mathbb{J}\colon \quad \mathbb{J} \rtimes \mathbb{J} = \mathbb{J}^{*}\mathbb{J} + \mathbb{J}\mathbb{J}$$

$$\begin{array}{ccc}
\begin{cases} \mathfrak{I}|H \\ {}_{n}^{\mathfrak{I}}\mathbb{K}^{n} \end{cases} & \xrightarrow[\text{on}]{\text{Int}} & \begin{cases} \mathfrak{C}_{e}|\mathbb{K}\times H \\ \mathfrak{C}_{e}|\mathbb{K}^{1+n} \end{cases} \\
\uparrow{\scriptstyle \exp} & & \uparrow{\scriptstyle \exp} \\
\begin{cases} \mathfrak{F}|\mathbb{J} \\ {}_{n}^{\mathfrak{F}}\mathbb{K}^{n} \end{cases} & \xrightarrow[\text{on}]{\text{int}} & \begin{cases} \mathfrak{E}_{e}|\mathbb{K}\times H \\ \mathfrak{E}_{e}|\mathbb{K}^{1+n} \end{cases}
\end{array}$$

$$\begin{array}{ccc}
\begin{cases} \mathfrak{I}\mathfrak{U}|H \\ {}_{n}^{\mathfrak{I}\mathfrak{U}}\mathbb{K}^{n} \end{cases} & \xrightarrow[\text{on}]{\text{Int}} & \begin{cases} \mathfrak{U}_{e}|\mathbb{K}\times H \\ \mathfrak{U}_{e}|\mathbb{K}^{1+n} \end{cases} \\
\uparrow{\scriptstyle \exp} & & \uparrow{\scriptstyle \exp} \\
\begin{cases} \mathfrak{F}\mathfrak{V}|H \\ {}_{n}^{\mathfrak{F}\mathfrak{V}}\mathbb{K}^{n} \end{cases} & \xrightarrow[\text{on}]{\text{int}} & \begin{cases} \mathfrak{V}_{e}|\mathbb{K}\times H \\ \mathfrak{V}_{e}|\mathbb{K}^{1+n} \end{cases}
\end{array}$$