

$$\exp t \begin{array}{c|c|c} \begin{array}{cc} 0 & 1 \\ -1 & 0 \end{array} & & \\ \hline & \begin{array}{cc} 0 & 1 \\ -1 & 0 \end{array} & \\ \hline & & \begin{array}{cc} 0 & 1 \\ -1 & 0 \end{array} \end{array} = \begin{array}{c|c|c} \begin{array}{cc} {}^t\mathfrak{c} & {}^t\mathfrak{s} \\ -{}^t\mathfrak{s} & {}^t\mathfrak{c} \end{array} & & \\ \hline & \begin{array}{cc} {}^t\mathfrak{c} & {}^t\mathfrak{s} \\ -{}^t\mathfrak{s} & {}^t\mathfrak{c} \end{array} & \\ \hline & & \begin{array}{cc} {}^t\mathfrak{c} & {}^t\mathfrak{s} \\ -{}^t\mathfrak{s} & {}^t\mathfrak{c} \end{array} \end{array}$$

$$\exp t \begin{array}{c|c} \begin{array}{cc} 0 & 1 \\ -1 & 0 \end{array} & \\ \hline & \begin{array}{cc} 0 & 1 \\ -1 & 0 \end{array} \end{array} = \begin{array}{c|c} \begin{array}{cc} {}^t\mathfrak{c} & {}^t\mathfrak{s} \\ -{}^t\mathfrak{s} & {}^t\mathfrak{c} \end{array} & \\ \hline & \begin{array}{cc} {}^t\mathfrak{c} & {}^t\mathfrak{s} \\ -{}^t\mathfrak{s} & {}^t\mathfrak{c} \end{array} \end{array}$$

$$M^{pqr} = \frac{\mathbb{S}^5 \times \mathbb{S}^3}{\left\{ \begin{array}{c} \exp -qtK \times \exp ptL \\ t \in \mathbb{R} \end{array} \right\} \times \left\{ \begin{array}{c} \exp \frac{2\pi j}{r} \\ j \in r \end{array} \right\} \times 1}$$