

$$\begin{array}{ccc}
 f & \xrightarrow{\text{SRSF}} & q \\
 \downarrow \text{action on } \mathcal{F} & & \downarrow \text{action on } \mathbb{L}^2 \\
 f \circ \gamma & \xrightarrow{\text{SRSF}} & (q, \gamma)
 \end{array}$$