

$$\begin{array}{ccc}
 \mathbb{E} \supset \pi^{-1}(\mathbb{U}_x) & \xrightarrow{\chi} & \mathbb{U}_x \times \mathbb{F} \\
 & \searrow \pi & \downarrow \\
 & & \mathbb{U}_x
 \end{array}
 \qquad pr = \pi \circ \chi^{-1}$$