

$$\begin{array}{ccc}
 \mathcal{M}(X) & \xrightarrow{Z_*} & \mathcal{M}(\mathbb{R}) \\
 \downarrow \pi & & \downarrow \pi \\
 \mathcal{R}(X) & \xrightarrow{\pi_* Z_*} & \mathcal{R}(\mathbb{R})
 \end{array}$$