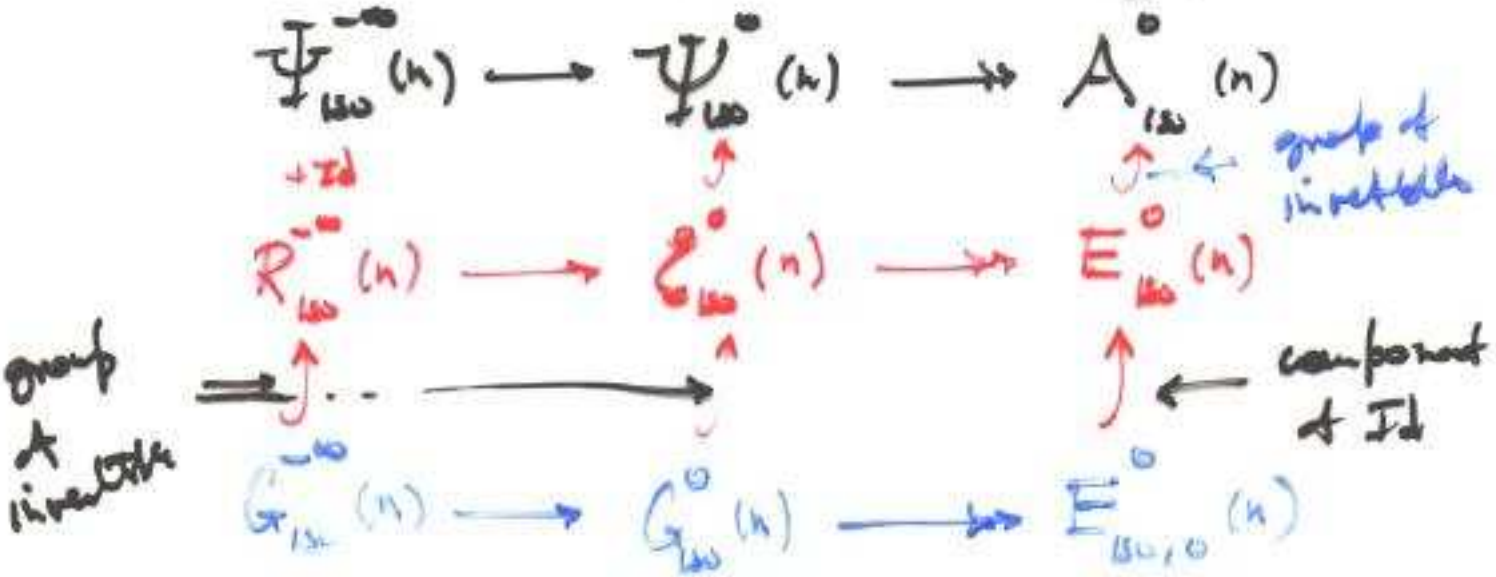
10.



$$
\begin{tikzcd}
\Psi^{-\infty}_{iso}(n) \arrow[r] & \Psi^{0}_{iso}(n) \arrow[r, two heads] & A^{0}_{iso}(n) \\
R^{-\infty}_{iso}(n) \arrow[r] \arrow[u, "+Id"] & \mathcal{E}^{0}_{iso}(n) \arrow[r, two heads] \arrow[u, hook] & E^{0}_{iso}(n) \arrow[u, hook] \\
G^{-\infty}_{iso}(n) \arrow[r] \arrow[u, hook] & G^{0}_{iso}(n) \arrow[r, two heads] \arrow[u, hook] & E^{0}_{iso,0}(n) \arrow[u, hook]
\end{tikzcd}
$$

group of invertible

group of invertible

component of Id

$$\mathcal{E}^{0}_{iso}(n) \subset \Psi^{0}_{iso}(n)$$

is the ring of elliptics:

$$A \in \mathcal{E}^{0}_{iso}(n) \iff A \in \Psi^{0}_{iso}(n) \ \underline{\&}$$

$$\exists B \in \Psi^{0}_{iso}(n) \text{ s.t.}$$

$$AB - Id,\ BA - Id \in \Psi^{-\infty}_{iso}(n).$$