1 Pre-talk question.

Say a map of stacks $f : [X/G] \to [Y/H]$ is an equivariant map if f arises from the datum of $\rho : G \to H$ and an equivariant map $\tilde{f} : X \to Y$. Can every map $f : [X/G] \to [Y/H]$ be factored as a span of equivariant maps,

$$\downarrow\tilde{\to}$$

2 Line Bundle in Equivariant elliptic cohomology.

Give n G a compact Lie group and $G \circlearrowright M$ a finite-type G-manifold.

Definition 2.0.1. $\mathrm{Ell}_G(M)$ is a sheaf on $\mathrm{Bun}_G(E)$ where E an elliptic cuve (as a family of elliptic curves)