

## Xu: Delocalized twisted equivariant cohomology

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IF  $G \curvearrowright M$ ,

$$H_G^*(M) := H^*\left(\frac{M \times EG}{G}\right)$$

IF  $M$  is a point,  $H_G^*(M) = H_{\text{class}}^*(G)$

IF  $G \curvearrowright M$  is free,  $H_G^*(M) = H^*(M/G)$

So in some sense, the group cohomology of  $G$  is the ordinary cohomology of  $\frac{1}{G}$ .