

# SOME INVARIANCE PROPERTIES OF CYCLIC COHOMOLOGY WITH COEFFICIENTS

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We will discuss a definition of cyclic cohomology with coefficients in the setting of abelian monoidal categories (such as the motivating example of modules or comodules over a Hopf algebra) and its invariance properties. This setting is appropriate for generalizing Hopf cyclic cohomology with coefficients in a stable anti-Yetter-Drinfeld module and furthermore sheds light on some properties of Hopf cyclic cohomology itself.