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Some invariance properties of cyclic cohomology with coefficients

While Morita invariance of cyclic cohomology is well understood, in light of recent work on a categorical approach to cyclic cohomology with coefficients it became possible to formulate and consider 2-Morita invariance. Just as the usual Morita invariance can be viewed as the dependence of cohomology only on the category of modules, 2-Morita invariance requires a modification of the definition so that the cohomology depends only on the 2-category of categorical representations of a monoidal category. This is natural from the point of view of local 3d-TFTs which are determined by their value (2-category) at a point, or the invariance of cyclic cohomology under a version of a categorified Fourier transform.