

Categorified equivariance

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In the first part of the talk I will show how to systematically introduce the 2-equivariant objects in a fibre of a 2-fibered 2-category over a pseudoalgebra over a pseudomonad in the base 2-category. The main case is when the pseudomonad is a categorical group, or only a monoidal category internal to the base 2-category. In the second part of the talk I will talk about applications like descent along 2-torsors over categorical groups and also the role of 2-equivariance in noncommutative algebraic geometry.