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Some remarks on classification

Some remarks will be made concerning the functorial aspects of classification. For instance, the Connes–Takesaki flow of weights, known to be of critical importance as an invariant for von Neumann algebras, and to be functorial at the level of isomorphisms, will be shown still to be functorial when certain more general, although still rather special, homomorphisms are considered as well. This functor is then full, when the category of flows is considered with arbitrary homomorphisms.