OPERATOR ALGEBRAS AND MONOIDAL CATEGORIES

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The goal of the lectures is to introduce a few notions and constructions in category theory that are particular to rigid tensor categories in the C*-algebraic setting. We start by discussing automatic semisimplicity and dimension theory for such categories and then move to finer analytic properties such as amenability and property (T). If time permits, we will also discuss the tube algebras and L^2-cohomology.