COEND CALCULUS FOR FINITE CATEGORIES

GREGOR SCHAUMANN

Abstract: Using the calculus of (co)ends for finite categories we describe Nakayama-functors, Serre-functors and their module category versions. As application we mention a 2d state sum model, where coends replace the sums over simple objects.
This is joint work with Christoph Schweigert and Jürgen Fuchs.