
ILYA SHAPIRO, University of Windsor
Annuli stacking and duoidal categories.

When considering Hopf-cyclic cohomology in the braided setting one is led to a natural notion of a monoidal product on the Hochschild homology category of the underlying braided category. It turns out that this product also appears in factorization homology, as a key ingredient in bridging the algebra and topology in the study of 2d TQFTs; the braided category is the algebraic input. Motivated by duality, we will discuss extending this product from the braided to the duoidal setting.