Mathematics, Statistics, and Computer Science   **@ UIC**

Midwest Topology Seminar

An algebraic model for commutative HZ-algebras

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Abstract: This is a report on joint work with Brooke Shipley. We show that there is a chain of Quillen equivalences between the model categories of commutative HZ-algebra spectra and E_∞-monoids in unbounded chain complexes. We also provide a Quillen equivalence with commutative I-chain complexes where I is the category of finite sets and injective maps. I'll explain the equivalences and, if time permits, discuss some examples.

Saturday, February 28 at 10:00 AM in Lecture Center F, Room 4