Topology Seminar

Guozhen Wang

of Shanghai Center for Mathematical Sciences will be speaking on

Topological cyclic homology of local fields

on July 5 at 10:00 in
MIT Room Zoom

We introduce a new method for computing topological cyclic homology of locally complete intersections over p-adic intergers, by using relative hochschild homology and resolving the base ring spectrum with an Adams reslolution. Using the Nygaard filtration on the E1-term, we can construct algebraic Tate and algebraic homotopy fixed points spectral sequences, which are algebraic and catpture lots of informations in the Tate and homotopy fixed points spectral sequences computing TP and TC^{-1}. *Usingthismethod, wecangiveauniformwayofcomputingtopologicalcyclichomologyoflocalfieldsofmixedcl*

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