

Vadim Vologodsky

Title: On the periodic topological cyclic homology of (DG) algebras in characteristic p .

Abstract: We prove that the periodic topological cyclic homology of a smooth proper DG algebra over \mathbb{F}_p is isomorphic to the periodic (algebraic) cyclic homology of a lifting of the algebra over \mathbb{Z}_p . This is a joint work with Alexander Petrov.