Title:

Quillen stratification in equivariant homotopy theory

Abstract:

Quillen's stratification theorem describes the spectrum of prime ideals of the mod p cohomology of a finite group in terms of the corresponding spectrum for the familiy of elementary abelian p-subgroups. In this paper we prove a generalization of Quillen's stratification theorem in equivariant homotopy theory for a finite group working with arbitrary commutative equivariant ring spectra as coefficients, in the context of tensor-triangular geometry and the Balmer spectrum. We describe some examples. This is joint work with Tobias Barthel, Drew Heard, Niko Naumann, and Luca Pol.