

1172-55-338

Beren Sanders* (berensanders@ucsc.edu). *The spectrum of spectral Mackey functors.*

I will discuss a project (joint with Irakli Patchkoria and Christian Wimmer) on computing the Balmer spectrum of the category of derived G -Mackey functors (in the sense of Kaledin and Barwick) for G a finite group. This category can be regarded as a linearization of the G -equivariant stable homotopy category and our computation can be best appreciated in comparison with our earlier work (joint with Paul Balmer) on computing the spectrum of the G -equivariant stable homotopy category. Ultimately, our goal is to explain how the spectrum of our linearized equivariant category lies between the spectrum of the equivariant stable homotopy category and the spectrum of the Burnside ring, being a refinement of the latter and a chromatic truncation of the former. If time permits, we'll also discuss a more recent project (joint with Tobias Barthel and Drew Heard) in which we stratify the localizing tensor-ideals of the (big) category of derived G -Mackey functors. In this project we also consider the spectrum of $E(n)$ -local spectral G -Mackey functors which conjecturally can be identified with a certain open piece of the spectrum of the G -equivariant stable homotopy category. (Received August 31, 2021)