1037-14-371   **David Treumann*** (`treumann@math.northwestern.edu`). *Staggered t-structures on toric varieties.*

Achar has introduced a family of t-structures, called *staggered t-structures*, on the derived category of equivariant coherent sheaves on a G-scheme. These generalize the perverse coherent t-structures of Bezrukavnikov and Deligne, their main point of interest being that they are more often self-dual. We will discuss the example of torus-equivariant sheaves on a toric variety. We will also indicate a similarity between the main new ingredient of Achar's t-structures – what are called *s-structures* – and the weight-truncation formalism of Morel. (Received February 05, 2008)

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