

1154-55-2380

Zhouli Xu* (xuzhouli@mit.edu), Massachusetts Institute of Technology, Department of Mathematics 2-173, Cambridge, MA 02139. *Motivic t-structures and stable homotopy groups of spheres.*

I will discuss recent work that there exists a t-structure on the category of motivic cellular \widehat{S} -modules over fields of characteristic 0, with the heart equivalent to MU_*MU -comodules. This gives us computational tools for \mathbb{R} -motivic and C_2 -equivariant stable stems. This is joint work with Dan Isaksen, Hana Jia Kong and Guozhen Wang. (Received September 17, 2019)