1163-13-732	**Zhibek Kadyrsizova**, **Jennifer Kenkel**, **Janet Page**, **Jyoti Singh**, **Karen E Smith**, **Adela Vraciu*** (`vraciu@math.sc.edu`) and **Emily Witt**. *Bounds for F-pure threshold and extremal singularitites in positive characteristic.*

For a hypersurface over a field in positive characteristic, the F-pure threshold can be viewed as a measure of the singularity. More singular hypersurfaces have lower F-pure thresholds. The degree also gives a measure of the singularity and it provides a bound for the F-pure threshold. We describe and classify hypersurfaces that have the lowest possible F-pure threshold, taking the degree into consideration. (Received September 12, 2020)