1126-13-164   **Florian Enescu*** (`fenescu@gsu.edu`), Department of Mathematics and Statistics, 758 CEHD, Georgia State University, Atlanta, GA 30303. *On the finiteness of Frobenius complexity.* Preliminary report.

The notion of Frobenius complexity for local rings of prime characteristic has been introduced by the presenter and Yongwei Yao, who raised the question whether this number is finite. I will present work performed with Mel Hochster and, independently, Felipe Peréz that shows that this holds for local, normal complete rings and, respectively, standard graded algebras over a field. (Received January 11, 2017)