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Florian Enescu* (fenescu@gsu.edu), Department of Mathematics and Statistics, 758 COE, Georgia State University, 30 Pryor Street, Atlanta, GA 30303, and **Yongwei Yao** (yyao@gsu.edu).
The Frobenius Complexity of a Local Ring of Prime Characteristic. Preliminary report.

In this talk, we will discuss the number of Frobenius operators on the injective hull of the residue field of a local ring R of prime characteristic. In particular, we will define the Frobenius complexity of R and present relevant examples and results regarding this concept. (Received February 03, 2014)