1131-13-199 **Alessandro De Stefani**, **Thomas Polstra** and **Yongwei Yao*** (yyao@gsu.edu). *Globalizing F-invariants.*

In this paper we define and study the global Hilbert-Kunz multiplicity and the global F-signature of prime characteristic rings which are not necessarily local. Our techniques are made meaningful by extending many known theorems about Hilbert-Kunz multiplicity and F-signature to the non-local case. (Received July 14, 2017)

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