1126-13-261 **Alessandro De Stefani*** (ads@kth.se), Department of Mathematics, 100 44 Stockholm, Sweden,
Luis Núñez-Betancourt, Centro de Investigación en Matemática, Guanajuato, Mexico, and
Felipe Pérez, Georgia State University, GA. *On the existence of F-thresholds and related limits.*

The F-thresholds are numerical invariants that can be defined for rings of prime characteristic. Roughly speaking, they measure the asymptotic interplay between regular powers and Frobenius powers of two given ideals. In this talk we will present some recent results about existence of F-thresholds, as well as relations with other invariants such as F-pure thresholds and a-invariants of Frobenius powers of an ideal. This talk is based on joint work with Luis Núñez-Betancourt and Felipe Pérez. (Received January 16, 2017)