1120-13-92 **Thomas M Polstra*** (`tmpxv3@mail.missouri.edu`), 1107 North College Ave, Columbia, MO 65201. *Uniform bounds in F-finite rings and their applications.*

We will discuss uniform bounds found in all F-finite rings of prime characteristic p. More importantly, we will discuss their applications, including uniform convergence results involving Hilbert-Kunz length and Frobenius splitting number functions. We will also discuss how a significant weakening of the uniform bounds to be discussed provides an affirmative answer to a question of Watanabe and Yoshida from 2004. (Received February 15, 2016)

1