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Martin Snow* (msnow5@ur.rochester.edu). *Infinite symmetric power L-functions of the hyperKloosterman family.*

In this talk we will discuss the infinite symmetric power L-function of the hyperKloosterman family and the development of a Dwork-type p-adic cohomology theory to study this L-function. We will detail a result concerning the structure of this L-function, as well as a generalization of this result to other families by way of a generalized connection matrix. (Received August 20, 2019)