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**Michael Geline\*** ([geline@math.niu.edu](mailto:geline@math.niu.edu)), Watson Hall, DeKalb, OH 60115. *Rank varieties for reductions of cyclic Knörr lattices*. Preliminary report.

If  $R$  is the usual dvr and  $G$  is a finite group, a Knörr  $RG$ -lattice is an  $RG$ -module, free and finitely generated over  $R$ , whose invertible endomorphisms have traces generating a strictly larger ideal of  $R$  than traces of the non-invertible endomorphisms.

Indecomposable lattices of  $R$ -rank not divisible by the residue class field of  $R$  are important examples of Knörr lattices. When reduced (mod  $p$ ), such lattices yield modules whose support variety is as large as possible. We believe this to hold for reductions of Knörr lattices of rank divisible by  $p$  as well, and will discuss certain examples in the talk. (Received July 28, 2014)