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## The arithmetic of tori over various fields

*Thursday, June 26, 2014 11:45 AM (1 hour)*

Let  $T$  be an algebraic torus defined over a number field  $K$ . In the case of a number field, obstructions to local-global principles for  $T$  are well understood thanks to work by Voskresenskii and Sansuc. We consider the case  $K=k(t)$  for different fields  $k$  (quasi-finite,  $p$ -adic) and extend the classical results in this context.

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