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**Preperiodic portraits modulo primes**

Let  $F$  be a rational function of degree  $> 1$  over a number field or function field  $K$  and let  $z$  be a point that is not preperiodic. Ingram and Silverman conjecture that for all but finitely many positive integers  $(m, n)$ , there is a prime  $p$  such that  $z$  has exact preperiodic  $m$  and exact period  $n$  (we call this pair  $(m, n)$  the portrait of  $z$  modulo  $p$ ). We present some counterexamples to this conjecture and show that a generalized form of *abc* implies – one that is true for function fields – that these are the only counterexamples.

One may also ask a similar question for tuples of portraits for several point in a number field or function field. This work is still in progress. The talk represents joint work with several other authors.