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## Trivial types and rational dynamics

Recall that a periodic point of a polynomial  $f(x) \in \mathbb{C}[x]$  is a complex number a for which  $f^m(a) = a$  for some positive integer m. We discuss how for certain choices of polynomials the algebraic relations amongst the periodic points may be understood through the study of associated trivial types in the theory of difference fields.