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Thomas's conjecture and Thue equations over algebraic function fields

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In 1993 E. Thomas conjectured that certain families of Thue equations are stably solvable, i.e. there are finitely many “polynomial” solutions and finitely many “sporadic” ones. We discuss how this conjecture might be modified to be applicable to any family of Thue equations. Furthermore, several criteria are given, which ascertain that a Thue equation over an algebraic function field has only finitely many solutions.

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