Online Number Theory Seminar

27 January 2023. – 17:00-17:50

Volker Ziegler: Effective results on twisted Thue equations

Families of Thue equations have been studied by several authors and already an extensive list of papers concerning this topic exists. In this talk we consider the case of so-called twisted Thue equations. It is already known due to Levesque and Waldschmidt (2012) that for only finitely many twists a Thue euqation has non-trivial solutions. However, their result is not effective. In this talk we present new effective results on the finiteness of solutions to twisted Thue equations and improve a previous result of Levesque and Waldschmidt (2013).