

Online Number Theory Seminar

22 November 2024. – 17:00-17:50

C. Stewart: On the number of solutions of decomposable form inequalities

In 2001 Thunder gave an estimate for the number of integer solutions of decomposable form inequalities under the assumption that the forms are of finite type. The purpose of this talk is to generalize this result to forms which are of essentially finite type. In the special case of binary forms this gives an improvement of a result of Mahler from 1933.