

Debrecen Number Theory Seminar

19 May 2023. – 13:00-13:50

Location: M402

Lhoussein El Fadil : On the indices and monogeneity of some number fields

The main goal of the talk is to characterize the prime divisors of the indices of some number fields defined by a root of a monic irreducible trinomial

$$F(x) = x^n + ax^m + b \in \mathbb{Z}[x].$$

In particular, when the field index is not trivial, then K is not monogenic. We illustrate our results by some computational examples.