

## Online Number Theory Seminar

10 March 2023. – 17:00-17:50

### Shabnam Akhtari: Index Form Equations in Quartic Number Fields

We will explore the question of counting the number of monogenic orders with given index in a quartic number field. This will require the study of index form equations. In particular, we will focus on the problem of counting the number of integer solutions of an index form equation of degree 6.