## Seminar

August 2025

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## 2025.8.8 (Fri)

Algebra Seminar (13:45--17:00 [Venue: Science Complex A 202])

(1) 13:45--15:15

Speaker: Christopher Frei (TU Graz, Austria)

Title: Asymptotics for solubility of unit equations over real quadratic fields

Abstract:

For a real quadratic field K and positive integer r, we prove an asymptotic formula for the number of rational integers of bounded absolute value that can be written as a sum of r units of the ring of integers of K. This is joint work with M. Widmer and V. Ziegler and answers partially a question posed by M. Jarden and W. Narkiewicz.

(2) 15:30--17:00

Speaker: Bruno Chiarellotto (University of Padova, Italy)

Title: The life of Alexander Grothendieck

Abstract:

In the 20th century we speak about the mathematics before and after Alexander Grothendieck. Starting from his interesting life we will try to introduce his mathematics.

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