



Kolloquium über Reine Mathematik

Einladung zu einem Vortrag

Dienstag, 14. Mai 2024

17 Uhr, Geom H4

Prof. Sarah Zerbes
(ETH Zürich)

Title:

L-functions, Euler systems and Fermat's last theorem

Abstract:

L-functions are one of the central objects of study in number theory. There are many beautiful theorems and many more open conjectures linking their values to arithmetic problems. The most famous example is the conjecture of Birch and Swinnerton-Dyer, which is one of the Clay Millennium Prize Problems. I will discuss some recent progress on these conjectures using tools called 'Euler systems'. I will also revisit the question of using Euler systems in the proof of Fermat's last theorem.

**Vor dem Vortrag (ab 16.30 Uhr) stehen im Foyer vor Hörsaal H4
Kaffee und Tee bereit.**