universität wien

Fakultät für Mathematik

Mathematisches Kolloquium

Mittwoch, 7. Dezember 2022
Hörsaal 2

EINLADUNG

Sarah Zerbes
(ETH Zürich)

"Euler systems and the Birch—Swinnerton-Dyer conjecture"

"Euler systems and the Birch—Swinnerton-Dyer conjecture"

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 Millenium Prize Problems. I will discuss this conjecture and some related open problems, and I will describe some recent progress on these conjectures, using tools called 'Euler systems'.

15.45 Uhr: Kaffeejause

16.15 Uhr: Vortrag

Radu Ioan Bot
Harald Grobner