

7. Netzwerktreffen

Young Women in the CRC 701

Talk - 26.06.2017, 17:00, V3-201

L-functions of elliptic curves and the conjecture of Birch-Swinnerton-Dyer

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Abstract: L-functions of elliptic curves appear to hold the answer to the oldest open problem in mathematics, as well as the key to future progress in the theory of automorphic L-functions. In this lecture, I will describe the classical problem and calculations that led to the (open) conjecture of Birch-Swinnerton-Dyer, as well as some of the ways in which one is led to study special values of an underlying L-function and its p-adic avatars. In particular, the study of these special values can be used to make progress on the Congruent Number Problem, and more generally on the problem of describing rational points on elliptic curves.

Everyone's warmly invited to attend the talk! The Network Meeting will take place right afterwards. Please send a short E-mail until Friday, 23.06., if you want to join.

This event is organised by the Young-Women-Initiative.
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