

Exact Sciences Seminar
Monday 16.03.2020 on 16:00-17:00, Ficus 303

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Zeta-functions and L-functions

Abstract

Zeta-functions and L-functions play an important role in various areas of mathematics such as number theory and representation theory. In this talk, I will start by describing the Riemann zeta function, its role in the analytic number theory and how this function can be interpreted in representation theoretic terms. I will then introduce the Langlands L-function, which is a generalization of the Riemann Zeta Function for irreducible representation of (adelic) reductive groups and talk about some interesting open problems and applications involving these L-functions.

**Coordinators: Dr. G. Ben-Simon, Prof. D. Fishelov,
Dr. Alex Segal Prof. I. Goldman**