

Online Number Theory Seminar

20 January 2023. – 17:00-17:50

Gergely Harcos: A supplement to Chebotarev's density theorem

In the first part of the talk, I will present a streamlined proof of the Chebotarev density theorem using Frobenius reciprocity and Artin reciprocity. In the second part, I will show how the ideas of the proof lead to related interesting statements, some of which are new. Based on recent joint work with Soundararajan, and the earlier work of Heilbronn (1973) and Foote-Murty (1989).