Institut f. Analysis und Zahlentheorie

Zahlentheoretisches Kolloquium

Dienstag, 16. 7. 2019, 11:00

Seminarraum Analysis-Zahlentheorie (NT02008), Kopernikusgasse 24/II

Correlation of multiplicative functions over function field

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Abstract: In this talk, I will discuss about the asymptotic formula of the correlation functions over polynomial ring $\mathbb{F}_q[x]$ in large degree limit. As a consequences, we get that the correlation of truncated Liouville function over shifted polynomials is small and also the distribution of the sum of additive function over $\mathbb{F}_q[x]$.

R. Tichy