

abstract

SHORT TALKS BY POSTDOCTORAL MEMBERS

Topic:

Speaker:

Affiliation:

Date:

Time/Room:

I will give an overview on the recent developments on the Beurling-Selberg problem of majorization by entire functions of exponential type, in joint works with J.D. Vaaler (Texas) and F. Littmann (North Dakota State). These provide new applications to number theory that include: Hilbert-type inequalities, Erdos-Turan-type inequalities and, more recently, bounds for the Riemann zeta function on the critical line (work of Chandee-Soundararajan).