

Seminar 2023

Math

Multiparameter maximal functions

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Abstract: Since Stein's seminal work on the spherical maximal function, the maximal functions generated by (one-parameter) dilations of a given hypersurface have been extensively studied. Recently, several works were devoted to study multi-parametric variants of maximal functions. In this talk, we study 3 natural multiparameter maximal functions generated by a torus in 3 dimensional Euclidean space, and ellipses in 2 dimensional Euclidean space.



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