Analysis Seminar

"STATISTICS OF RANDOM REAL ALGEBRAIC HYPERSURFACES"

By

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Abstract: By random real algebraic hypersurface in $\mathbb{RP}^m$ we mean the zero variety of a random homogenous polynomial in m+1 variables. The main theme of the talk is the statistics of the volume in $\mathbb{RP}^m$ and number of connected components of such varieties. I will report some known results and their recent generalizations.

Date: Tuesday, March 5, 2019
Time: 16:00-17:00
Place: Mathematics Seminar Room, SA – 141
Tea and cookies will be served before the seminar.