



Seminari Informal de Matemàtiques de Barcelona

Speaker: Shehzad Hathi.
University: UNSW Canberra at ADFA.

Date: Wednesday, October 7th, 2020.
Schedule: 12:00, *virtual coffee break*; 12:20, talk.
Place: Zoom (the link will be posted on our website).
Language: English.

Title: The circle method and Linnik–Goldbach problems

Abstract: The circle method has its roots in a 1918 paper by Hardy and Ramanujan which dealt mainly with the partition function, but also with the representation of numbers as sums of squares. Since then, it has been used with remarkable success by Hardy, Littlewood, Vinogradov, among others, in the field of additive number theory. In this talk, we will focus on the main ideas of the circle method and illustrate its use in the Linnik–Goldbach problems.

About us: *SIMBa* is a youth mathematics seminar organized by graduate students in the Barcelona area. It is aimed towards graduate and last course undergraduate students. Our goals are divulging the knowledge from different branches of mathematics for those interested and promote networking between the attendants.

This seminar is backed by the Faculty of Mathematics and Computer Science at Universitat de Barcelona, Faculty of Mathematics and Statistics at Universitat Politècnica de Catalunya, the Department of Mathematics from Univesitat Autònoma de Barcelona, CRM, IMUB and BGSMath.

Fore more information, visit at www.ub.edu/simba/en/.

If you have any doubt or comment do not hesitate to contact us by sending an email to seminari.simba@gmail.com.