



SEMINAR

SCHOOL OF MATHEMATICS AND STATISTICS

DATE: 04 JANUARY 2019

TITLE

Around two problems of Hardy and Mahler

VENUE | TIME

Seminar Room I
03:45 P.M.– 04:45
P.M.

SPEAKER

Prof. Patrice Philippon
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Paris, France.

ABSTRACT

Abstract : Let $\alpha > 1$ and λ be real numbers. About a century ago Hardy asked : "In what circumstances can it be true that the distance of $\lambda\alpha^n$ to the nearest integer tends to 0 as n goes to ∞ ?". This question is still open. We will present some advances in this topic and around a related problem of Mahler, in the case α is algebraic.