

A Historical Introduction to Transcendental Number Theory

Arshay Sheth

Abstract

A complex number is said to be algebraic if it is the root of a non-zero polynomial with integer coefficients. A complex number that is not algebraic is called transcendental. Broadly speaking, transcendental number theory is the study of transcendental numbers. In this talk, without assuming any previous background in number theory, we will give an introduction to this subject from a historical point of view; we will begin by discussing some of the earliest results of the subject and end by discussing important open problems that remain shrouded in mystery to this day.

Time: 12 p.m, 2nd March 2022

Location: B3.02

Organisers: Lucas Lavoyer de Miranda (lucas.lavoyer-de-miranda@warwick.ac.uk), Sunny Sood (s.sood.1@warwick.ac.uk)

Website: <https://warwick.ac.uk/fac/sci/math/research/events/seminars/areas/postgraduate/21-22>