



## Analysis Seminar

**Title:** Pressure and the Hausdorff dimension of Julia sets

**Speaker:** Neil Dobbs

**Date:** Tue 10th September 2024 at 3:00PM

**Location:** E0.32 (beside Pi restaurant)

**Abstract:** Bowen's formula says that the first zero of the pressure function is, in certain settings, equal to the Hausdorff dimension of a fractal set. I will explain this idea and how it can be used to estimate the dimension of quadratic Julia sets.

<https://ucd-ie.zoom.us/j/65906449632>

Pressure and the Hausdorff dimension of Julia sets