



Analysis Seminar

Title: Fixed points of Holomorphic Mappings on a Banach Space

Speaker: L. Harris (Kentucky)

Date: Tue 18th October 2005 at 4:00PM

Location: TCD 2.6

Abstract: This talk gives a basic introduction to infinite dimensional holomorphic functions and associated fixed point theorems. The numerical range of holomorphic functions is introduced and conditions on it are given for the existence of fixed points. These results are applied to give a quantitative version of the inverse function theorem.