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**Scoil na
Matamaitice agus na Staitisticí UCD**

An Coláiste Ollscoile, Baile Átha Cliath
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Email seminars@maths.ucd.ie
Web maths.ucd.ie/seminars

Analysis Seminar

L. Harris (Kentucky)

will speak on

Fixed points of Holomorphic Mappings on a Banach Space

Tue 18th October 2005 at 4:00PM

Location: TCD 2.6

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.

This talk is part of the **Analysis** series. For more, see
<https://maths.ucd.ie/seminars>