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**Scoil na
Matamaitice agus na Staitisticí UCD**

An Coláiste Ollscoile, Baile Átha Cliath
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Analysis Seminar

B. Lemmens (Kent)

will speak on

The Denjoy-Wolff theorem for Hilbert geometries

Tue 21st November 2017 at 3:00PM

Location: SCN 125

The classical Denjoy-Wolff theorem asserts that all orbits of a fixed point free holomorphic self-mapping of the open unit disc in the complex plane, converge to a unique point in the boundary of the disc. Since the inception of the theorem by Denjoy and Wolff in the nineteen-twenties a variety of extensions have been obtained. In this talk I will discuss some extensions of the Denjoy-Wolff theorem to certain real metric spaces, namely Hilbert geometries. Hilbert geometries are a natural generalisation of Klein's model of the real hyperbolic space, and play an important role in the analysis of linear, and nonlinear, operators on cones.

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