Analysis Seminar

Title: Determining sets for Bounded Symmetric Domains

Speaker: M. Mackey

Date: Tue 22nd March 2022 at 3:00PM

Location: Seminar Room SCN 1.25

Abstract: A bounded symmetric domain can be realised as the unit ball B of a complex Banach which has a transitive group of biholomorphic maps on B. These Banach spaces, known as JB*-triples, include C*-algebras and Hilbert spaces. In this talk, we will look at determining sets of the ball of a JB*-triple; firstly in the sense of convex hull, as per the Russo-Dye theorem for C*-algebras, and secondly in the sense of norm determining for holomorphic functions, as per the Bergmann-Shilov boundary of a finite dimensional domain.

This talk is based on joint work with Pauline Mellon.

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