



Analysis Seminar

Title: Reflexivity and norm attaining operators

Speaker: Richard Aron (Kent, Ohio)

Date: Tue 6th April 2021 at 4:00PM

Location: Online

Abstract: This is joint work with Domingo García, Daniel Pellegrino, and Eduardo Teixeira (Proc. AMS (2020)). We discuss a property called “wmp,” related to reflexivity, that has applications to norm attaining operators. A pair (X, Y) of Banach spaces has the weak maximizing property (wmp) if any bounded linear operator $T : X \rightarrow Y$ attains its norm provided there is a non weakly-null maximizing sequence.

Our intentions are to (i) explain the italicised words in the previous sentence, (ii) describe the relation between the “wmp” and reflexivity, and (iii) discuss some open problems.

<https://ucd-ie.zoom.us/j/62488055816?pwd=SUEranJlQmFNT3M0aUw2NTRlaFpzZz09>