

Summer School 2026

Topics in Banach Space Theory

The packing problem in infinite dimensions

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Day and time	Monday: 15:30–15:55

Abstract

We study the so-called *simultaneous packing and covering constant* of a Banach space, introduced by C.A. Rogers in 1950 and investigated more recently by K. Swanepoel. We present several new results involving this constant, focusing in particular on the extreme spaces where this constant attains its best and worst values. The talk will be based on the paper *Packings in classical Banach spaces*, joint with Carlo Alberto De Bernardi, Şeyda Sezgek, and Jacopo Somaglia.