

Summer School 2026

Topics in Banach Space Theory

A small $C(K)$ space without nice renormings

Name Todor Manev
University Sofia University
Day and time Thursday: 17:05–17:25

Abstract

We show that it is consistent that the continuum is arbitrarily large and that there is a compact space K such that $C(K)$ is Grothendieck, has density ω_1 , and admits no strictly convex or sequentially Kadets-Klee renormings.