

Im

Oberseminar Analysis

hält

Prof. Dr. Jan Harm van der Walt

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einen Vortrag zum Thema

Category measures, the dual of $C(K)^\delta$ and hyper-Stonean spaces

Abstract:

For a compact Hausdorff space K , we give descriptions of the dual of $C(K)^\delta$, the Dedekind completion of the Banach lattice $C(K)$ of continuous, real-valued functions on K . We characterize those functionals which are σ -order continuous and order continuous, respectively, in terms of Oxtoby's category measures. As applications, we give a purely topological characterization of hyper-Stonean spaces, and characterize those spaces K for which $C(K)$ admits a strictly positive order continuous functional.

Datum: **Donnerstag, 23. Januar 2025**
Zeit: **16:40 Uhr**
Raum: **WIL C 103**

Kontakt: PD Dr. Anke Kalauch

Alle Interessent:innen sind herzlich eingeladen