Einladung

Würzburger Mathematisches Kolloquium

Julius-Maximilians-Universität Würzburg • Institut für Mathematik

Komla Domelevo

Julius-Maximilians-Universität Würzburg - Antrittsvorlesung

Some Aspects of Discrete Harmonic Analysis

Dienstag, 07. März 2023 • 13:15 Uhr

Seminarraum SE41 • Forschungsbau (Emil-Fischer-Straße 41, 97074 Würzburg)

Der Vortrag wird auch Zoom-Meeting übertragen: go.uniwue.de/ifmcolloquium-zoom

Abstract. Discrete Harmonic analysis aims at building connections and tools between objects of classical harmonic analysis such as singular Calderon-Zygmund operators and their discrete counterparts. For example, certain a priori estimates in numerical analysis can be rephrased as questions of discrete harmonic analysis. It turns out that stochastic representations of singular operators offer a common framework for the study of either discrete or continuous such operators, together with powerful tools. We will illustrate this fact by comparing the norms of the Hilbert transform on the circle to the dyadic Hilbert transform in Banach spaces.

Alle sind herzlich eingeladen.

Die Dozentinnen und Dozenten der Mathematik