

Einladung

Würzburger Mathematisches Kolloquium

Julius-Maximilians-Universität Würzburg • Institut für Mathematik

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Université Laval, Québec, Canada / Giovanni-Prodi-Gastprofessor in diesem Semester

Polynomial Approximation in Function Spaces

Dienstag, 26. November 2024 • 14:15 Uhr

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

Der Vortrag wird auch als Zoom-Meeting übertragen: go.uni-wue.de/ifmcolloquium-zoom

Abstract. Linear polynomial approximation scheme within function spaces is a notable subject in classical analysis. Since the early days of the last century, several prominent mathematicians have established beautiful results, mainly dealing with Taylor polynomials or some weighted versions, in function spaces such as Hardy, Bergman, and Dirichlet. While Taylor polynomials are fundamental in polynomial approximation theory, there are instances where they may not be the most suitable candidates. Without entering into delicate technical details, we will discuss some summation methods, with a particular emphasis on the well-known Cesàro means. Our focus will primarily be on Hardy and Dirichlet spaces, although other function spaces will also be mentioned.

