



Oberseminar Funktionentheorie

Freitag, 15.11.2024, 14.00 Uhr
Mathematik Ost, 40.03.003

Prof. Dr. Javad Mashreghi
(University Laval, Canada)

Outer Functions and Uniform Integrability, I

Abstrakt. If f is an outer function and φ is a self-map of the open unit disc, then $f \circ \varphi$ is also an outer function. While this result is often considered folklore, its proof is not straightforward. To better understand the intrinsic properties of outer functions and establish a proof for the above result, the concept of uniform integrability emerges as a fundamental aspect. In fact, uniform integrability serves as a backbone for outer functions and, in a broader sense, for functions in the Smirnov class. Our aim in these talks is to explore these concepts and their interconnections.

Alle Interessenten sind herzlich eingeladen!