



Mathematisches Kolloquium

Im Rahmen des Mathematischen Kolloquiums findet am

Donnerstag, 04.07.2019
16.15 Uhr
Raum HS 9

folgender Vortrag statt:

Universal overconvergence of Taylor series and optimal polynomial approximants.

Abstract:

It is known that, generically, the Taylor polynomials of holomorphic functions on the unit disc \mathbb{D} are universally overconvergent outside \mathbb{D} ; that is, they can approximate arbitrary polynomials on arbitrary compact sets in $\mathbb{C} \setminus \mathbb{D}$ that have connected complement. In this talk, I will present an overview of the theory of functions with such universal Taylor expansions, with emphasis on their boundary behaviour. Moreover, I will discuss the phenomenon of universal overconvergence in the non-linear setting of *optimal polynomial approximants* of reciprocals of holomorphic functions.

Gast:

Dr. Myrto Manolaki, University of Dublin

Gastgeber:

apl. Prof. Dr. J. Müller

Ab 15.45 Uhr treffen wir uns zu Kaffee, Tee und Gebäck im Raum E 10.