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Limiting Behavior of Optimal Polynomial Approximants in Hardy and Bergman

Spaces. Preliminary report.

In this talk, I will discuss the limiting behavior of certain polynomials that approximate, in some optimal way, inverses of functions in Dirichlet-type function spaces of the unit disk. These polynomials are closely related to classical objects in function theory such as orthogonal polynomials and reproducing kernels in weighted spaces. This work is joint with Myrto Manolaki and Daniel Seco. (Received August 31, 2018)