Analysis Seminar

Metric projections in Hardy spaces and optimal polynomial approximants

By

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Abstract: I will talk about the metric projection of the constant function 1 onto invariant subspaces of the Hardy space H^p (for p>1).
For this purpose, we will use a notion of orthogonality in L^p spaces.
As corollaries, we get new results about the behavior of optimal polynomial approximants in H^p. This talk is based on joint work with C. Bénéteau, R. Cheng, C. Felder, D. Khavinson and M. Manolaki.

Date: October 1, Wednesday
Time: 14:00-15:00
Place: Mathematics Seminar Room, SA – 141