ANDRÉ BOIVIN, University of Western Ontario

Weighted Hardy spaces for the unit disc: Approximation properties

We will state some basic properties of the weighted Hardy space for the unit disc with the weight function satisfying Muckenhoupt's (A^p) condition $(1 < p < \infty)$. Approximation properties in that space of the system of rational functions $e_k(z) = \dfrac{1}{(2\pi i)(1-\overline{a}_k z)}$, where $\{a_k\}$ is a sequence satisfying the Blaschke condition $\sum_{k=1}^{\infty}(1-|a_k|) < \infty$, will then be discussed.