

# Norms of Toeplitz and Hankel operators on Hardy type subspaces of rearrangement-invariant spaces

Alexei Yu. Karlovich,  
Instituto Superior Tecnico,  
Lisboa, Portugal

We prove analogues of the Brown-Halmos and Nehari theorems on the norms of Toeplitz and Hankel operators, respectively, acting on subspaces of Hardy type of reflexive rearrangement-invariant spaces with nontrivial Boyd indices over the unit circle. Rearrangement-invariant spaces are wide generalizations of Lebesgue, Orlicz, and Lorentz spaces.