Toeplitz operators between distinct Hardy spaces

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In my talk, I will focus on the Toeplitz operator acting between different Hardy spaces generated by rearrangement-invariant Banach spaces. The aim of the presentation is to discuss results concerning the structural properties of the operator, including surjectivity, Fredholmness, Coburn-type properties, and a description of its kernel. The results I will present stem from a collaborative project carried out jointly with Sebastian Król, Karol Leśnik, and Jakub Tomaszewski.