

Weighted Dirichlet spaces and de Branges-Rovnyak spaces

Stamatis Pouliasis

November 1, 2024

Abstract

The topic of this talk is the relation between two types of Hilbert spaces of holomorphic functions in the unit disc, weighted Dirichlet spaces and de Branges-Rovnyak spaces. We will give the definitions and some of their main properties, review some recent results and examine when a weighted Dirichlet space can be identified with a de Branges-Rovnyak space.