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Isometric equality between de Branges-Rovnyak spaces and weighted Dirichlet spaces

In 1997, Sarason pointed out that some de Branges-Rovnyak spaces are isometrically equal to some (harmonically) weighted Dirichlet spaces. In 2010, Chevrot, Guillot and Ransford identified all the harmonically weighted Dirichlet spaces that are isometrically equal to some de Branges-Rovnyak spaces. In this talk we will discuss about the isometric equality between some de Branges-Rovnyak spaces and some weighted Dirichlet spaces. This is a joint work with Omar El-Fallah, Karim Kellay, Javad Mashreghi and Thomas Ransford.