



Analysis Seminar

Carleson characterization for the composition operators on $H(b)$ spaces of unit ball.

By

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Abstract: In this talk we will consider a special subclass of the Hardy-Hilbert space H^2 namely deBranges-Rovnyak spaces $H(b)$ of the unit ball of C^n . First we will give an introduction to the structure of these spaces where one of the main problems in the study is the integral representation of these functions and in this talk we will see how we can represent these classes through the Clark measure on S^n associated with b . In the second part we will give a Carleson characterization for the boundedness and compactness of the composition operators on these spaces. More detailed analysis of the concepts mentioned in this talk can be found in the following papers.

Date: Wednesday, October 27, 2021

Time: 18:00-19:00, GMT+3.

Place: ZOOM

To request the event link, please send a message to goncha@fen.bilkent.edu.tr