

WEBINAR

Grupo de Análise Funcional e Aplicações Functional Analysis and Applications Group

Kernels of Unbounded Toeplitz Operators and Factorization of Symbols

Teresa Malheiro

Departamento de Matemática & CMAT, Universidade do Minho

Abstract

We consider kernels of unbounded Toeplitz operators in the Hardy space of the upper complex plane in terms of a factorization of their symbols. We describe the kernels of Toeplitz operators whose symbol possesses a certain factorization involving two different Hardy spaces and we establish relations between the kernels of two operators whose symbols differ by a factor which corresponds, in the unit circle, to a non-integer power of z . We apply the results to describe the kernels of Toeplitz operators with non-vanishing piecewise continuous symbols.

March 17, 2021 - 16:10

<https://videoconf-colibri.zoom.us/j/84761440526>

ID da reunião: 847 6144 0526

Senha de acesso: 583475

This seminar is supported in part by the Portuguese Foundation for Science and Technology (FCT - Fundação para a Ciência e a Tecnologia), through CIDMA - Center for Research and Development in Mathematics and Applications, within project UIDB/04106/2020.