

CMM PDE Seminar

Speaker: Mateus Sousa (Basque Center for Applied Mathematics, Spain)

Title: Recent developments in Fourier interpolation theory.

Abstract: In this talk we will discuss some problems related to the notion of Fourier interpolation: formulas where one can recover functions from its values over a certain discrete set, and the values of its Fourier transform over a dual discrete set. These formulas arrive naturally in many situations, and we will mention a few related to certain kinds of uncertainty principles, and the theory of sphere packing.

This talk is meant for a broad audience with basic knowledge in analysis.

To be held in person at **Sala de seminarios John Von Neumann, 7th floor**, Beauchef 851, and online via zoom:

<https://uchile.zoom.us/j/97687856555?pwd=MkZYZWpEY0YwUTBHT3ROK29ob1JYdz09>

Tuesday, November 8, 2022 at 12 Santiago time

For further information, see our webpage: <https://eventos.cmm.uchile.cl/pdeseminar/>

