

Seminario de Ecuaciones Diferenciales y Análisis Numérico  
Universidad de Buenos Aires - Argentina  
19 de Junio de 2018  
Ciudad Universitaria - Pabellón I  
Departamento de Matemática  
Segundo Piso - Sala de Conferencias del DM-IMAS, 15:00.

## Some inequalities in the interface between harmonic analysis and differential equations

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We will discuss a little about sharp versions of the so-called Strichartz inequalities for dispersive partial differential equations. The plan is to introduce the most famous cases of these inequalities (Schrödinger, wave and Klein-Gordon equation), explain their connection to Fourier restriction problems and present some recent results about sharp versions of the estimates.

The idea is for the talk to be accessible to a broad audience, but to better enjoy the presentation some basic knowledge about the Fourier transform will be necessary.

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