

CMM PDE Seminar

Speaker: Gunther Uhlmann (University of Washington)

Title: Inverse scattering for critical semilinear wave equations.

Abstract: In inverse scattering one attempts to find the properties of a medium by making remote observations. It has applications in physics, geophysics, medical imaging, non-destructive evaluation of materials. Radar and sonar are examples of inverse scattering methods that are used routinely nowadays. In this case we consider the inverse problem of determining the nonlinearity for critical semilinear wave equations. This is joint work with A. Sa Barreto and Y. Wang.

Thursday, October 6, 2022 at 2 p.m. Santiago time

To be held in person at **Sala de seminarios DIM, 5th floor**, Beauchef 851, and online via zoom:
<https://uchile.zoom.us/j/92147170354?pwd=VWZNd3lWUnBaYXdwU25xK3FNZmt2dz09>

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