Seminario de Análisis y Aplicaciones

Viernes, 21 de mayo de 2021

15:00 h., ONLINE - URL: https://zoom.us/j/91721104740

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Restriction estimates for hyperbolic paraboloids via bilinear estimates

Resumen:
We discuss some recent work related to weighted and unweighted Fourier restriction estimates for hyperbolic paraboloids in dimensions three and larger. In particular, we will discuss how one can prove linear estimates in higher dimensions by using bilinear restriction estimates due to S. Lee and A. Vargas. We will also discuss an application of this method to certain fractal restriction estimates for the hyperbolic paraboloid, which are joint with M.B Erdogan and T. Harris.

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