

Seminario de análisis matemático y aplicaciones
Analisi matematikoa eta aplikazioak mintegia

The Penrose transform and some sharp
inequalities in harmonic analysis

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ABSTRACT: The Penrose transform is a simple conformal transformation of the Minkowski space-time. We show a connection with the best constant problem for the Strichartz inequalities associated with the wave equation. This also has applications to nonlinear problems; we present a sharp estimate for the cubic wave equation on \mathbb{R}^{1+3} .

I am a new member of the department, and with this talk I will introduce myself.

LUGAR / LEKUA:

Sala de seminarios de la sección de matemáticas

Matematika ataleko mintegi gela

DÍA Y HORA / EGUNA ETA ORDUA:

11/10/2018, 12:00