JIE XIAO,

L^p -Uncertainty Principle from Fractional Schrödinger Equation

Starting with the fractional Schrödinger equation and Fourier analysis, this talk presents a new L^p -uncertainty principle for the positively-ordered Laplace pair $\{(-\Delta)^{\frac{\alpha}{2}}, (-\Delta)^{\frac{\beta}{2}}\}$.