

Multiscale equidistribution estimates for Schrödinger eigenfunctions

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We present two results on scale-free quantitative unique continuation of eigenfunctions of the Schrödinger operator and linear combinations thereof. The first result is due to Rojas-Molina & Veselić, the generalization to linear combinations of eigenfunctions to Nakić, Taeufer, Tautenhahn, & Veselić. We will sketch the proof for the case of pure eigenfunctions. It relies on Carleman estimates, three annuli inequalities and geometric covering arguments.