Averaged pointwise bounds for deformations
of Schrödinger eigenfunctions

Suresh Eswarathasan [*]

suresh@math.mcgill.ca

For a certain family of magnetic deformations of a semiclassical Schrödinger operator on a Riemannian manifold, we prove uniform L^2-bounds of the propagated Schrödinger eigenfunctions in the deformation parameters.

This is joint work with John Toth.

[*]Department of Mathematics & Statistics, McGill University, Burnside Hall, 805 Sherbrooke West, Montréal, QC H3A 2K6, Canada.