SPEAKER:

Kiril Datchev, Purdue University

TITLE:

Quantitative limiting absorption principle in the semiclassical limit

ABSTRACT:

We give an elementary proof of Burq's resolvent bounds for long range semiclassical Schroedinger operators. Globally, the resolvent norm grows exponentially in the inverse semiclassical parameter, and near infinity it grows linearly. We also weaken the regularity assumptions on the potential.