

Resolvent estimates for one-dimensional Dirac operators with complex potentials

Antonio Arnal

In this talk, I will focus on my current research to find estimates for the norm of the resolvent for Dirac operators with complex potentials in one dimension. I will describe the problem, outline the type of result that I am hoping to obtain and show what can currently be proven towards this goal. I will also provide a summary of the methodology used in the proofs.

This is joint work with Petr Siegl and Tho Nguyen Duc.