

Prof. Dr. Peter Stollmann (TU Chemnitz)

Titel: Schrödinger Operators With Compact Resolvent

Abstract: It is a classical fact, going back to K. Friedrichs, that Schrödinger Operators with a potential term that tends to infinity near infinity have compact resolvent, or, equivalently, a purely discrete spectrum. In this talk we present a very simple generalization, obtained in joint work with D. Lenz and D. Wingert.