

# Titel: Full Szegő-type trace asymptotics for ergodic operators

Speaker: Adrian Dietlein (LMU)

Abstract:

We first give a short review of Szegő theorems for Toeplitz and Wiener-Hopf operators. Afterwards we discuss a possible generalization of Szegő-type theorems to the framework of ergodic operators and review some recent results in this direction. In the bulk of the talk we then discuss a full Szegő-type asymptotic expansion for  $Z^d$ -ergodic operators on large boxes.