MATEMATISKA INSTITUTIONEN
STOCKHOLMS UNIVERSITET
Avd. Matematik

SJÄLVSTÄNDIGT ARBETE I MATEMATIK

Onsdagen den 19 februari kl. 9.00 - 10.00 presenterar Tobias Wöhrer sitt arbete "Asymptotic behavior of the Weyl m-function for one-dimensional Schrödinger operators with measure-valued potentials" (30 högskolepoäng, avancerad nivå).

Handledare: Annemarie Luger (Stockholms universitet) och Gerald Teschl (Universität Wien)

Plats: Sal 32, hus 5, Kräftriket

Sammanfattning: We consider the Sturm-Liouville differential expression with measure-valued coefficients and introduce the m-Weyl-Titchmarsh function for self-adjoint realizations. We further look at the special case of the one-dimensional Schrödinger operator with measure-valued potential. In this case, we find the asymptotic behavior of the m-Weyl-Titchmarsh function for large z.

Alla intresserade är välkomna!