
ANTON GORODETSKI, University of California Irvine
Separable potentials and sums of regular Cantor sets.

Questions on structure of sums of Cantor sets appear naturally in spectral theory. Namely, spectra of discrete Schrodinger operators on two dimensional lattice is the sum of spectra of corresponding operators on one dimensional lattice, while for a large class of operators in one dimensional case the spectrum is known to be a Cantor set. We will discuss these relations, and the series of recent results (joint with D.Damanik and B.Solomyak) on the subject.