Conference

Resolvent expansion for the discrete one dimensional Schrödinger operator

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Abstract:

Given a discrete Schr\"odinger operator

$$(Hu)[n] = -(u[n+1] + u[n-1] - 2u[n]) + (Vu)[n]$$

with a fairly general (nonlocal) interaction V we obtain asymptotic expansions around the two thresholds 0 and 4 of the resolvent of H.

Joint work with K. Ito, Tsukuba University, Japan.

In the frame of the Seminar on *Spectral Analysis and ΨDO.*

Luni, 30 Septembrie 2013, ora 10:00 la sediul IMAR, Sala 306