

POSITIVITY OF THE LYAPUNOV EXPONENT FROM CRUDE  
ESTIMATES ON THE DENSITY OF STATES

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We prove a (sharp) lower bound on the Lyapunov exponent for several classes of Schrödinger operators, for all energies outside an exceptional set which is (super)-exponentially small in the coupling constant. The main application is to the Schrödinger operator corresponding to the Standard Map. Joint work with Tom Spencer.