

1057-47-366

Vita Borovyk* (borovykv@math.arizona.edu), Department of Mathematics, The University of Arizona, P.O. Box 210089, Tucson, AZ 85721, and **Konstantin A. Makarov**. *On the weak and ergodic limits of the spectral shift function.*

We discuss convergence properties of the spectral shift functions associated with a pair of Schrödinger operators with Dirichlet boundary conditions at the end points of a finite interval $(0, r)$ as the length of the interval approaches infinity. (Received January 26, 2010)