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Zhenghe Zhang*, Skye Hall 202, 900 University Ave, Riverside, CA 92521. *Positivity of the Lyapunov exponent for potentials generated by hyperbolic base dynamics.*

In this talk, I will introduce some recent progress in showing positivity of the Lyapunov exponent for Schrodinger operators with potentials generated by hyperbolic base dynamics. They immediately imply absence of absolutely continuous spectrum and are strong indications of Anderson Localization. Part of the works are joint with A. Avila and D. Damanik. (Received September 23, 2018)