Valmir Bucaj, David Damanik, Jake Fillman, Vitalii Gerbuz, Tom VandenBoom* (thomas.vandenboom@yale.edu), Fengpeng Wang and Zhenghe Zhang. Positive Lyapunov Exponents and a Large Deviation Theorem for Continuum Anderson Models, Briefly.

We prove positivity of the Lyapunov exponent for 1D continuum Anderson models by leveraging some classical tools from inverse spectral theory. The argument is much simpler than the existing proof due to Damanik–Sims–Stolz, and it covers a wider variety of random models. Along the way we note that a Large Deviation Theorem holds uniformly on compacts. (Received September 16, 2019)