Bruno Nachtergaele*, Department of Mathematics, University of California, Davis, Davis, CA 95616, and Jake Reschke. Slow transport in some one-dimensional disordered many-body systems. Preliminary report.

We study the Heisenberg dynamics of a class of quantum spin chains with finite-range interactions that include disorder and obtain bounds on the propagation of signals in such systems. (Received September 24, 2018)