

DISCRETIZING THE ONE-DIMENSIONAL KPZ EQUATION

HERBERT SPOHN

Our understanding of the KPZ equation in one dimension has greatly advanced over the recent years. Disregarding the replica approach, the exact solutions achieved so far are based on approximating the KPZ equation by the PASEP with a suitably scaled weak asymmetry. In my talk, I discuss other stochastic particle systems which might serve as an approximating model.