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Tail estimates for stationary KPZ models

The limiting distributions of observables in the KPZ universality class exhibit tail exponents of $\frac{3}{2}$ and 3. In this talk we will review recent work studying the upper tail exponent $\frac{3}{2}$ in the moderate deviations regime of several KPZ models at finite size, including the stochastic six vertex model, the ASEP and a class of non-integrable interacting diffusions.

Joint work with C. Noack and P. Sosoe