

## Speeds in (partially) asymmetric processes

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Start a totally asymmetric simple exclusion process with a second class particle at 0, particles to its left and holes to its right. If  $X_t$  is the location at time  $t$  of the second class particle, then  $X_t/t$  converges a.s. to a uniform  $[-1, 1]$  random variable.

I will prove an analogous result for partially asymmetric exclusion process (with Balázs and Seppäläinen), and explain why this is interesting (with Amir and Valkó).