

$$S_t \circ c(h)(a_s)_{ti} c(s) + \mathfrak{S}_e m^i n(a_r)$$

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Fluctuations for a class of zero range processes

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For 1-dimensional particle systems with drift and a macroscopic flux function with nonvanishing second derivative the magnitude of current fluctuations in the stationary process is expected to be $t^{1/3}$. This result has recently been extended from asymmetric exclusion processes to a class of zero range processes whose jump rate is nondecreasing with a slope that decays geometrically. This talk explains the result and its connection with fluctuations of a second class particle. This is joint work with Márton Balázs.