

Conjecture (Bandyopadhyay and L.(2022)). Fix a non-negative integer i and let $(D_i(t))_{t \geq 0}$ be the degree of the i -th vertex in the random graph process $(G_t^{(1,p_t)})_{t \geq 0}$ which admits fixed number $(d \geq 0)$ of with replacement soft-core taboo-ing. Then,

$$t^{2^{-d-1}} \zeta'_i \leq D_i(t) \leq \sqrt{t} \zeta_i, \quad \text{for all } t \geq 0,$$

where ζ'_i and ζ_i are two random variables.