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The logarithmic Bramson correction for Fisher-KPP equations on the lattice Z

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In the talk, I will present the logarithmic Bramson correction for Fisher-KPP equations on the lattice Z, that is the level sets of solutions with step-like initial conditions are located at position $c_*t - (3/(2\lambda_*))\ln t + O(1)$ as $t \to +\infty$ for some explicit positive constants c_* and λ_*. This extends a well-known result of Bramson in the continuous setting to the discrete case using only PDE arguments.

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