

# Logarithmic correction in multi-dimensional periodic Fisher-KPP equations

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Fisher-KPP equations are a type of reaction-diffusion equations that model population dynamics. Their behavior is characterized by the invasion of an unstable state by a stable one, which leads to the phenomenon of spreading. In one dimension, it has been shown that localized data give rise to solutions that lag behind the slowest traveling front by a logarithmic term. In this talk, we will discuss the analogous periodic problem in  $\mathbb{R}^n$ , where we determine the asymptotic rate of spreading of the solutions and the logarithmic correction along every unit direction.