

# Explicit Structure of the Fokker-Planck Equation with flat confinement

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## Abstract

We study the pointwise (in the space and time variables) behavior of the Fokker-Planck Equation with flat confinement. An explicit description of the solution is given, including the large time behavior, initial layer and spatially asymptotic behavior. Moreover, it is shown that the structure of the solution sensitively depends on the potential function. This is a joint work with Yu-Chu Lin (National Cheng Kung University) and Haitao Wang (Shanghai Jiao Tong University).