

On New Invariant Solutions of Generalized Fokker-Planck Equation

YAO Ruo-Xia^{1,2,3} and LI Zhi-Bin¹

¹ Department of Computer Science, East China Normal University, Shanghai 200062, China

² Department of Computer Science, Weinan Teachers College, Weinan 714000, China

³ Center for Nonlinear Studies, Northwest University, Xi'an 710069, China

(Received: 2003-9-4; Revised:)

Abstract: The generalized one-dimensional Fokker-Planck equation is analyzed via potential symmetry method and the invariant solutions under potential symmetries are obtained. Among those solutions, some are new and first reported.

PACS: 02.30.Jr, 11.30.-j, 02.70.Wz

Key words: Fokker-Planck equation, potential symmetry, invariant solutions, symbolic computation

[\[Full text: PDF\]](#)

Close