

Operational method for fractional Fokker-Planck equation

Friday, 8 September 2017 10:05 (15 minutes)

I will present the results for fractional equations of Fokker-Planck type using evolution operator method. I will employ exact forms of one-sided Levy stable distributions to generate a set of self-reproducing solutions. Explicit cases are reported and studied for various fractional order of derivatives, different initial conditions, and for different versions of Fokker-Planck operators.

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Session Classification: Session 12