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STOCHASTIC EQUATIONS WITH DISCONTINUOUS JUMP FUNCTIONS

A. V. Logachov and S. Ya. Makhno

In the present article, we consider a stochastic differential equation that contains an integral with respect to a Poisson measure but avoids the diffusion term. The integrand need not be continuous. We introduce a definition of a solution and prove the existence and uniqueness theorems.

Key words and phrases: stochastic differential equation, Poisson measure, differential inclusions.

Logachov Artem Vasil'evich
Novosibirsk State University,
Novosibirsk, 630090 Russia.
Siberian State University
of Geosystems and Technologies,
Novosibirsk, 630108 Russia.
Novosibirsk State University
of Economics and Management,
Novosibirsk, 630099 Russia.
E-mail: omboldovskaya@mail.ru

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Makhno Sergej Yakovlevich
Institute of Applied Mathematics and Mechanics,
Slavyansk, 84116 Ukraine.
E-mail: smakhno@gmail.com

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