

The stability conditions associated to the jump processes

RADU MOLERIU

ABSTRACT.

In this paper we study the evolution solutions of the stochastic differential equation associated to a Poisson process. As well, we present the conditions for the exponential stability making connections between the norm of the operators which appears in the stochastic differential equation and the increase index associated to the semigroup operators.

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WEST UNIVERSITY OF TIMIȘOARA
DEPARTMENT OF MATHEMATICS
BD. VASILE PÂRVAN NO. 4
300223 TIMIȘOARA, ROMÂNIA
E-mail address: moleriuradu@hotmail.com

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