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Mathematical Physics

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Exponential return to equilibrium for

(Submitted on 12 Jun 2011 (v1), last revised 18 Oct 2012 (this version, v2))

We study the problem of convergence to equilibrium for evolution equations associated to general

such operators is given and the exponential return to equilibrium with sharp estimates on the rate of

convergence is proven. Some applications to the study of chains of oscillators and the generalized

quadratic operators. Quadratic operators are non-selfadjoint differential operators with complexvalued quadratic symbols. Under appropriate assumptions, a complete description of the spectrum of

hypoelliptic quadratic systems

Submission history

From: Karel Pravda-Starov [view email] [v1] Sun, 12 Jun 2011 18:08:50 GMT (171kb,D) [v2] Thu, 18 Oct 2012 13:33:30 GMT (174kb,D)

Langevin equation are given.

Which authors of this paper are endorsers?

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