

M A T H E M A T I C A L      P H Y S I C S      S E M I N A R

Rutgers University  
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**Formal perturbation analysis of a non equilibrium stationary state**

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**Abstract**

System considered is a simple rotator subject to a conservative force, a constant torque and a random forcing (Langevin type). The possible expansion of the stationary state in powers of the conservative force strength is discussed.