

Synchronization Transition in the Kuramoto Model with Colored Noise

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(Submitted on 8 Mar 2010)

We present a linear stability analysis of the incoherent state in a system of globally coupled, identical phase oscillators subject to colored noise. In that we succeed to bridge the extreme time scales between the formerly studied and analytically solvable cases of white noise and quenched random frequencies.

Comments: 4 pages, 2 figures

Subjects: **Disordered Systems and Neural Networks (cond-mat.dis-nn)**; Statistical Mechanics (cond-mat.stat-mech); Chaotic Dynamics (nlin.CD)

Cite as: [arXiv:1003.1549v1](#) [cond-mat.dis-nn]

Submission history

From: Ralf Toenjes [[view email](#)]

[v1] Mon, 8 Mar 2010 03:57:39 GMT (1042kb)

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