

# SIGNAL STABILIZATION OF LIMIT CYCLING TWO DIMENSIONAL MEMORY TYPE NON LINEAR SYSTEMS BY GAUSSIAN RANDOM SIGNAL

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## Abstract

Quenching of Limit cycles in nonlinear multivariable systems is a formidable task and for memory type systems in particular. The phenomenon of signal stabilization with random inputs has been investigated for 2x2 memory type nonlinear self oscillating systems. The results obtained developing a computer programmes for a novel digital simulation process have been substantiated by use of SIMULINK of MATLAB.

## Hosted file

Signal Stabilization of limit cycling---.docx available at <https://authorea.com/users/294269/articles/422548-signal-stabilization-of-limit-cycling-two-dimensional-memory-type-non-linear-systems-by-gaussian-random-signal>