

Stabilization of Chaotic Systems with Phase Coupling

Yorick Hardy, W.-H. Steeb, and C. M. Villet

International School for Scientific Computing, Rand Afrikaans University,
P. O. Box 524, Auckland Park 2006, South Africa

Reprint requests to Prof. W.-H. S.; E-mail: whs@na.rau.ac.za

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We study phase coupled chaotic systems. Using the Kronecker product we derive a recurrence relation for calculating the Ljapunov exponents of the phase coupled system. We investigate whether phase coupling can be used to control dynamical systems with chaotic behaviour.