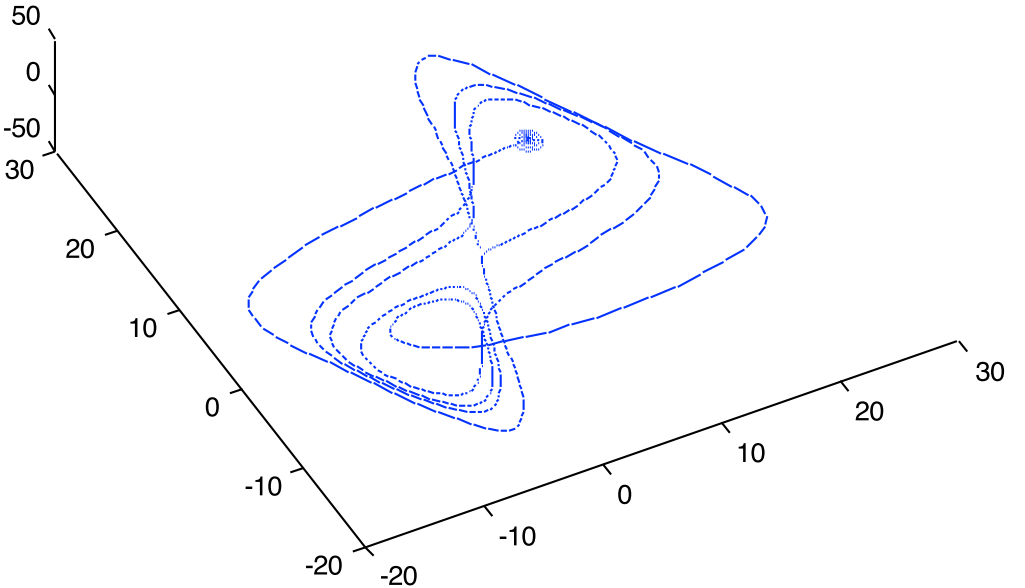
Radboud University Nijmegen

Behavioural Science Institute

Data Considerations

Generally it is a good idea to re-scale your data relative to either the mean or maximum distance separating points in reconstructed phase space.

This way data is scaled to itself which allows comparisons across data sets.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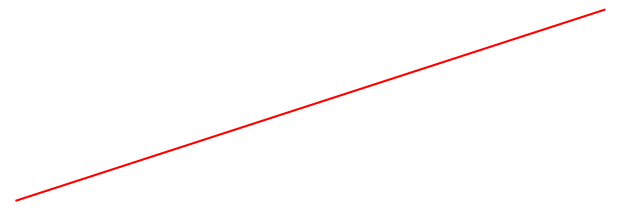
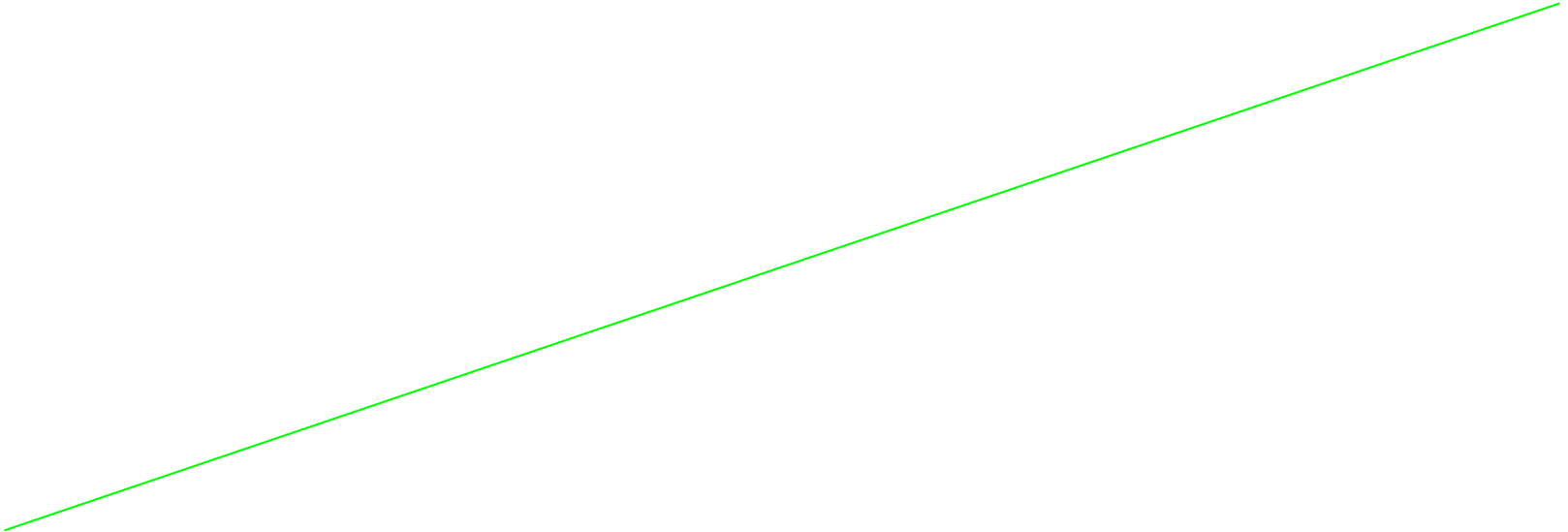
No Rescale

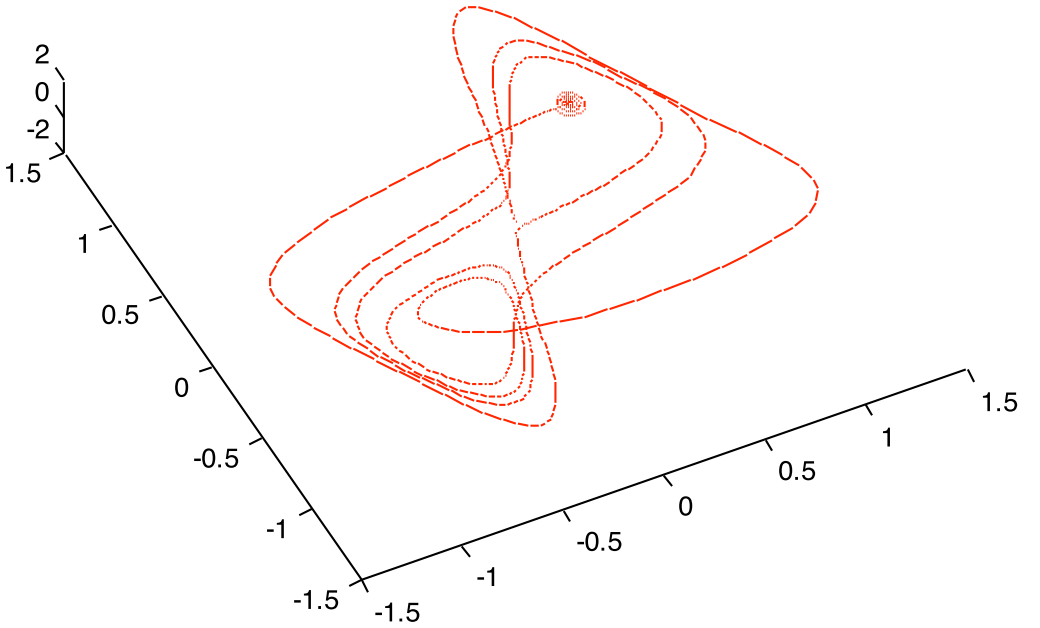




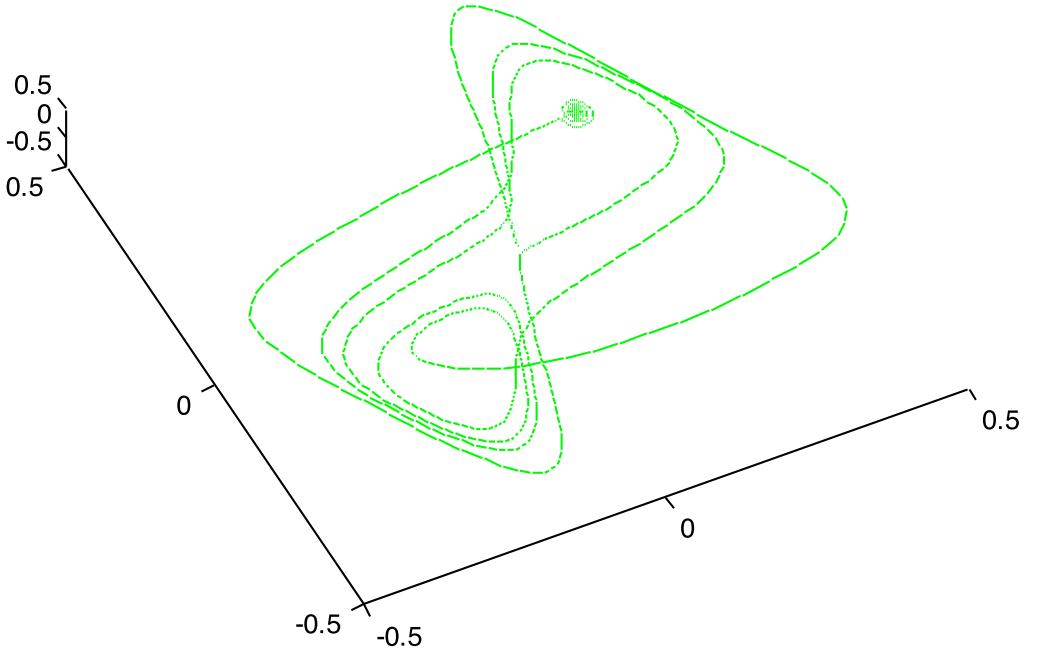
Maximum distance re-scaling recommended

Webber, C.L., Jr., & Zbilut, J.P. (2005). Recurrence quantification analysis of nonlinear dynamical systems. In: *Tutorials in contemporary nonlinear methods for the behavioral sciences*, (Chapter 2, pp. 26-94), M.A. Riley, G. Van Orden, eds. Retrieved June 5, 2007 http://www.nsf.gov/sbe/bcs/pac/nmbs/nmbs.pdf

Mean Distance Rescale



Maximum Distance Rescale



Shockley 2007

64

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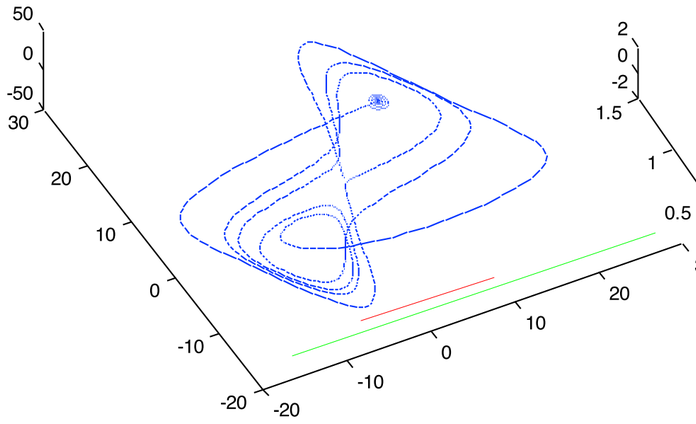
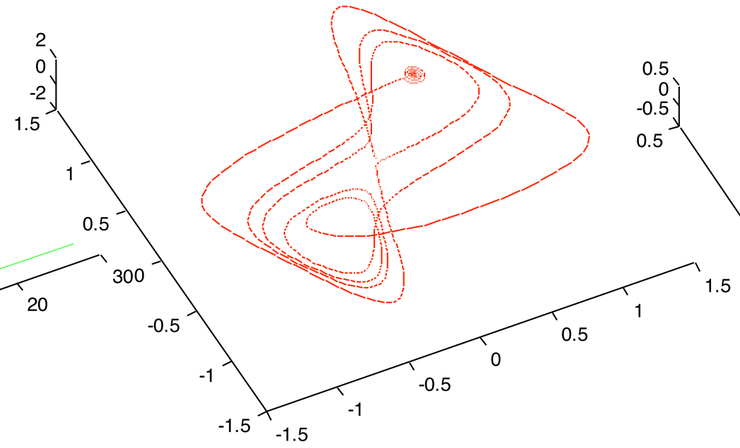
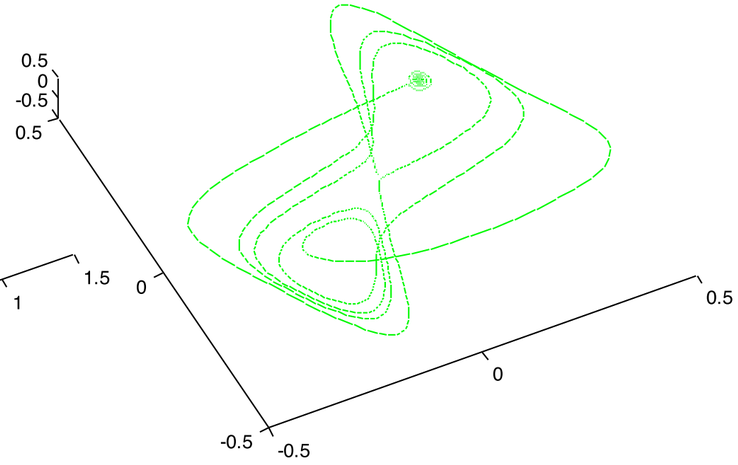
No Rescale



Mean Distance Rescale



Maximum Distance Rescale



Maximum distance re-scaling recommended

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