

Proper use of Lyapunov exponents

Distinguish cycle from chaos. Does it matter for the underlying problem?

Eliminate dependence with the run length

Scripting, specially in paranal ^{get dimension}

Calling custom functions from GRIND

Automatic frequency detection

Use of Poincaré maps

Dimensionality as the most relevant (non)parameter

✓ Dataset (Dakos?)

Slowing down - Sensitivity

Chapter 3, Egbert Khan. See reference on page 1.

Normal forms

Bifurcation can be more or less suited for this kind of analysis

Procedures Common

Best Lyapunov by optimization?

Correlation as chaos detector (between two runs, with sliding window)

Poincaré section. Used when you don't know the frequency.

Use for species with maximum lifespan.

Own at $\frac{\max}{2}$ / ~~not~~ halfway the range

matkemap (β)

minima / maxima = Lorenz map

poincare

See also: poincare map Lorenz map

poincare set

Combfig

Adds Illustration