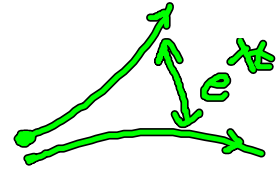


Summary

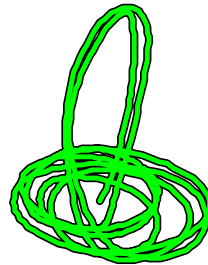
- chaotic dynamics is characterized by a large sensitivity to initial conditions
- concept of Lyapunov Exponent to determine stability

$$\lambda = \lim_{t \rightarrow \infty} \sup \frac{1}{t} \ln |x(t) - y(t)|$$



- strange attractors have fractal dimensions

$$d = \lim_{\epsilon \rightarrow 0} \frac{\ln N(\epsilon)}{\ln(1/\epsilon)}$$



2. Kontrollkonzepte

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