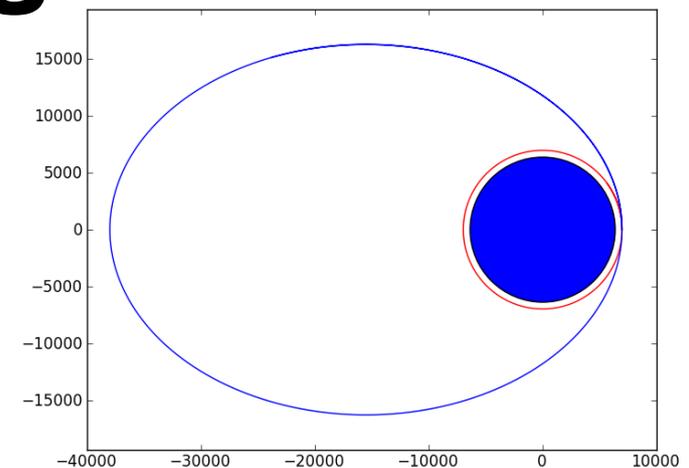
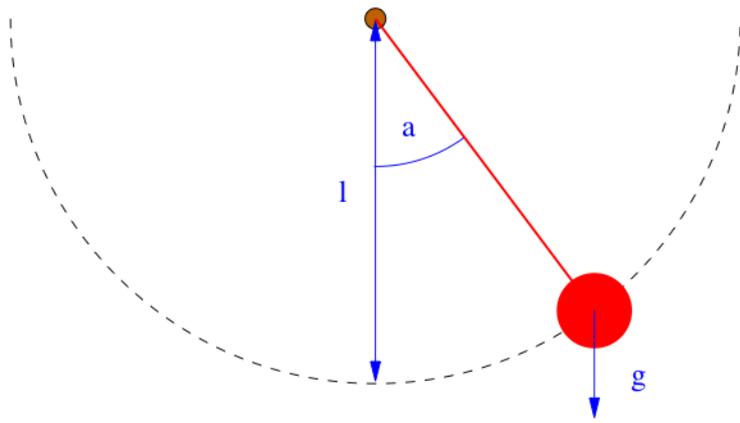


ETHZ Studienwoche 2018

# Differentialgleichungen oder wie beschreibt man Veränderung



# Projekt 7: A & B

- Lorenz-Attraktor

$$\dot{x} = a(y - x)$$

$$\dot{y} = x(b - z) - y$$

$$\dot{z} = xy - cz$$

$$a = 10, b = 28, c = 8/3$$

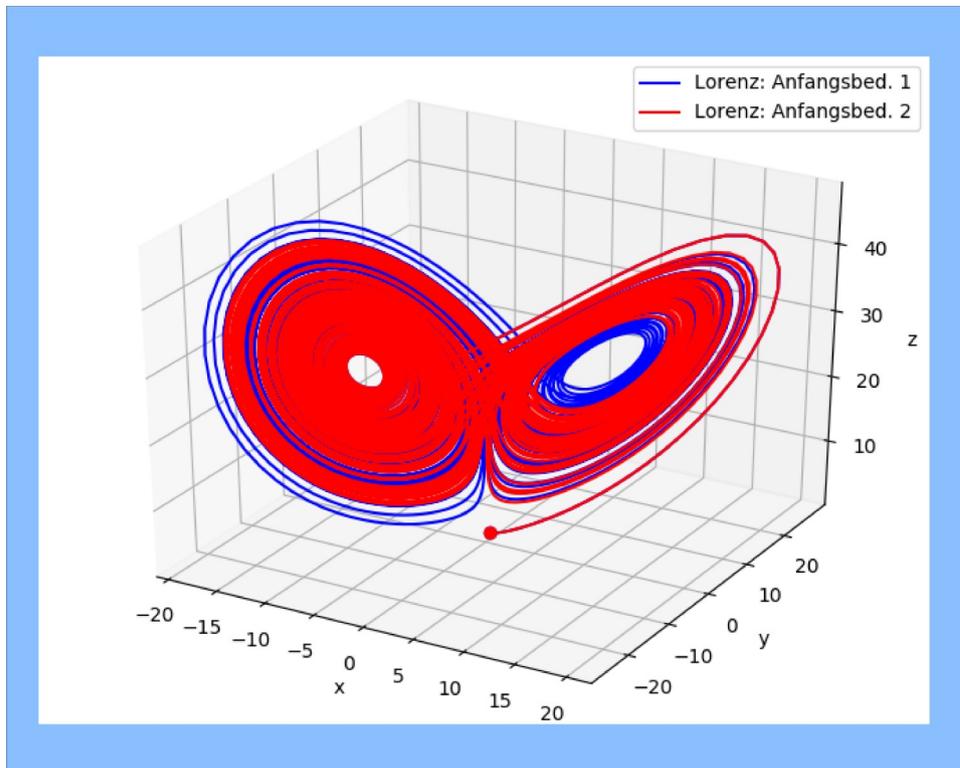
- Teilchen im EM-Feld

$$m\ddot{\mathbf{x}} = q (\mathbf{E} + \dot{\mathbf{x}} \times \mathbf{B})$$

**LorentzKraft**

# Projekt 7: A & B

- Lorenz-Attraktor



- Teilchen im EM-Feld

