## Geodynamo chaos



$$\begin{array}{ll} v = & 1 \\ \sigma = & 5 \\ R = & 0.1 \end{array}$$

$$\begin{aligned} \frac{\frac{di_{L}}{dt} = \sigma(i_{B} - i_{B})}{\frac{dt_{B}}{dt}} &= \omega i_{L} - i_{B} \\ \frac{dt_{D}}{dt} &= R - i_{L}i_{B} - \nu \omega \end{aligned}$$

## The Lorenz system

