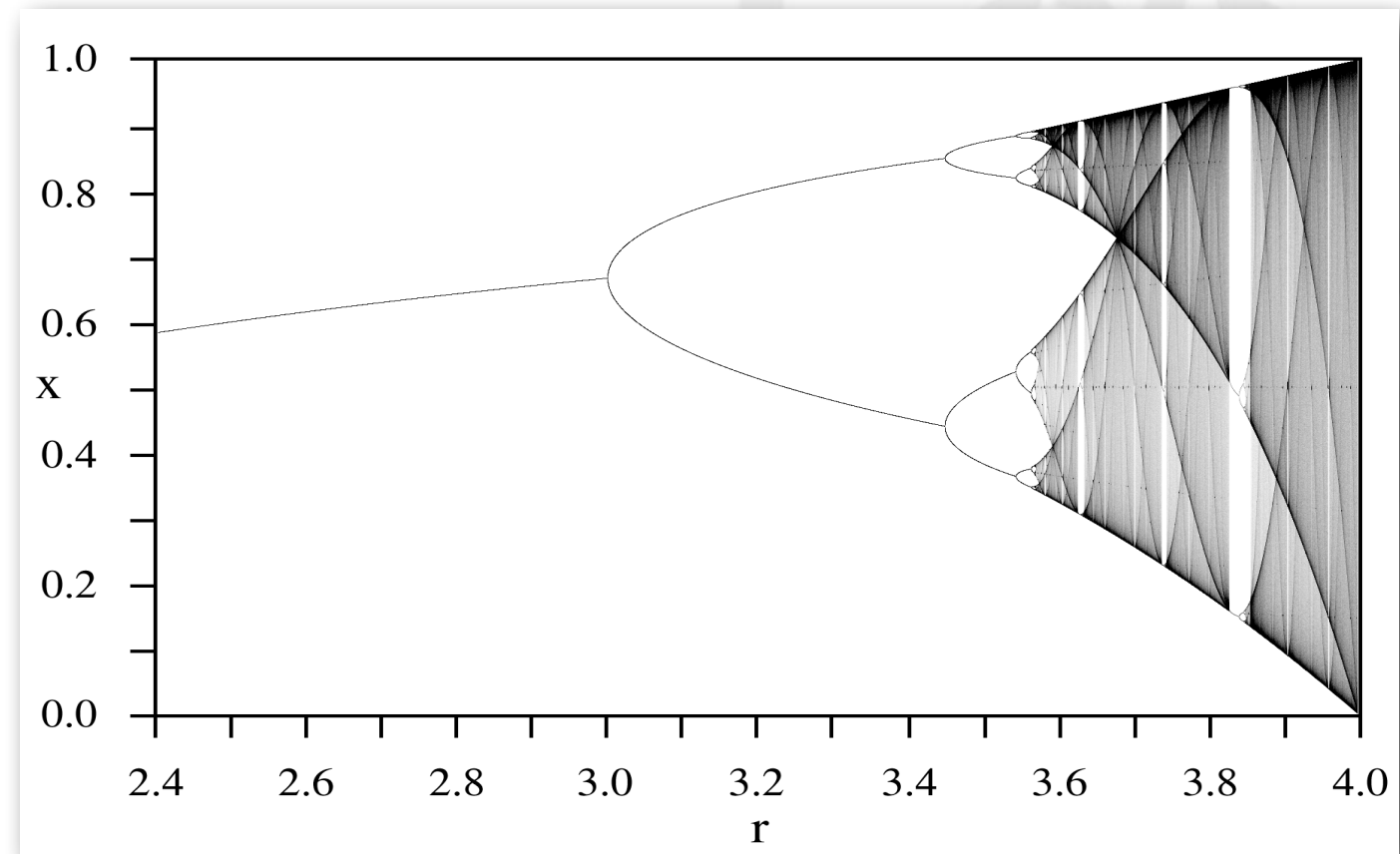


CHAOS, TURBULENCE and other unsolved mysteries

Chaotic regime of the logistic map represented by the bifurcation diagram

Transitions between regimes:

- Order to Order
- Order to Chaos
- Chaos to Order
- Chaos to Chaos



Why this happens at these parameter settings is.... unknown

CHAOS, TURBULENCE and other unsolved mysteries

What *can* we say about chaos?

4. Sensitive dependence on initial conditions

The *Lyapounov Exponent* characterises (quantifies) the rate of separation of two infinitesimally close trajectories in state space.

