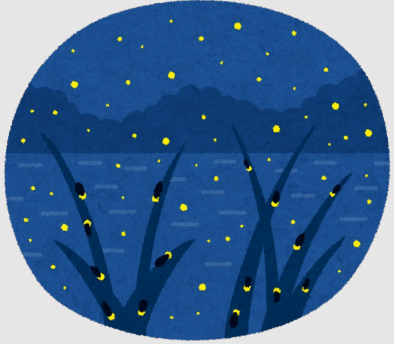


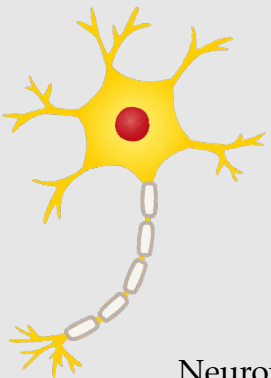
Synchronization



Fireflies



Metronomes



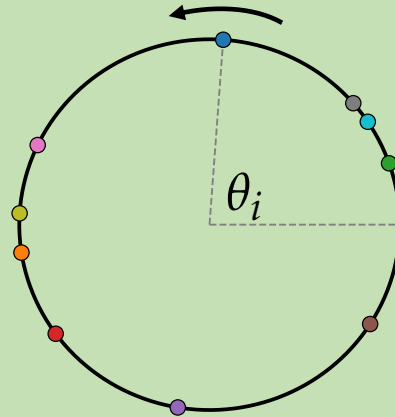
Neurons

Chap. 5

The Model

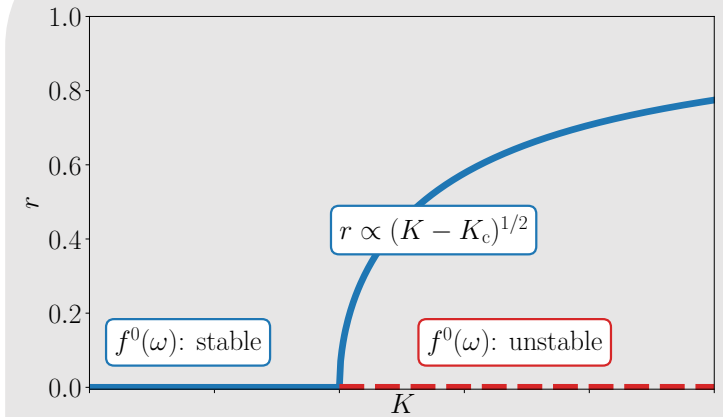
$$\frac{d\theta_i}{dt} = \omega_i + \sum_{j=1}^N \Gamma_{ij}(\theta_j - \theta_i)$$

Coupled phase-oscillator model

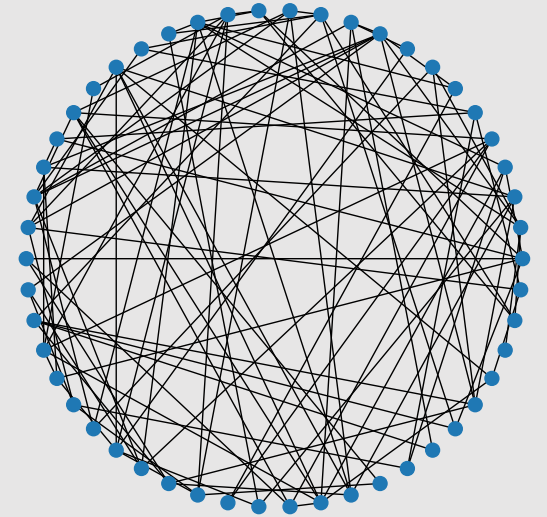


Chap. 3, 4

Theory



Bifurcation theory
Phase transition



Network structure