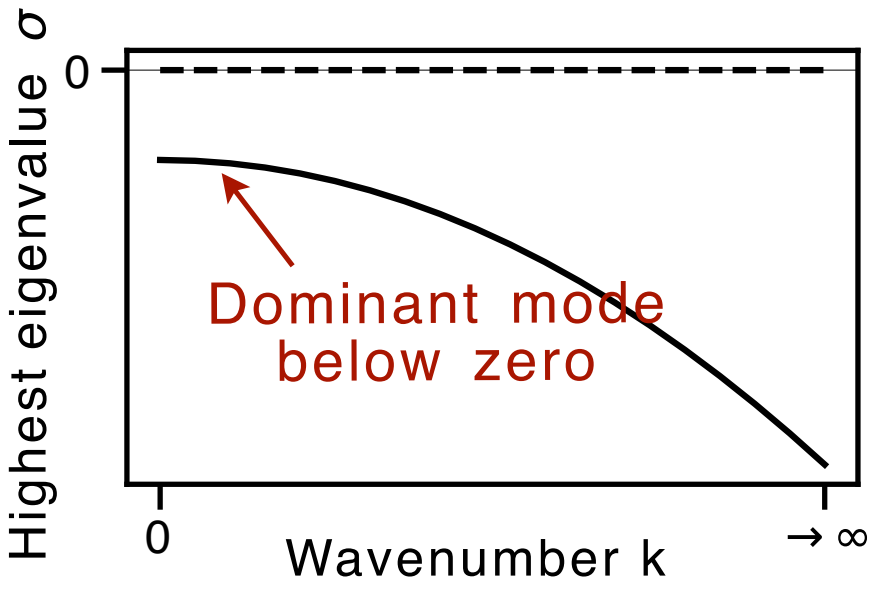
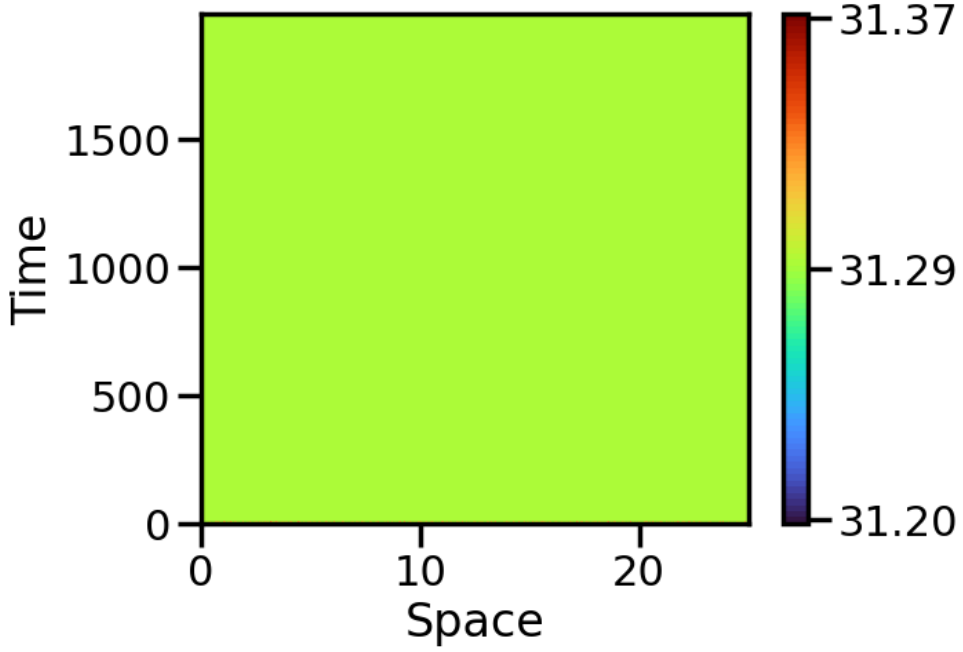
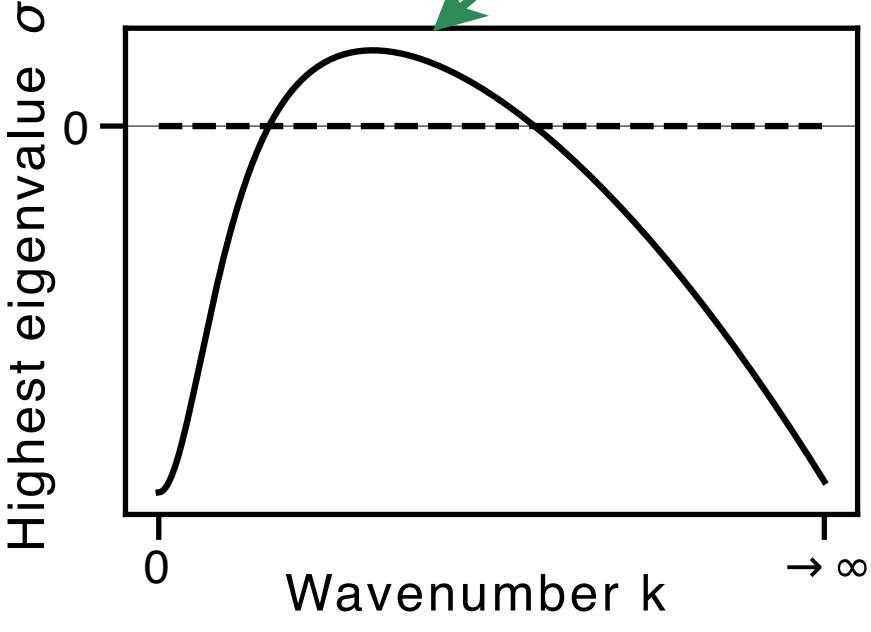
A) No Turing instability

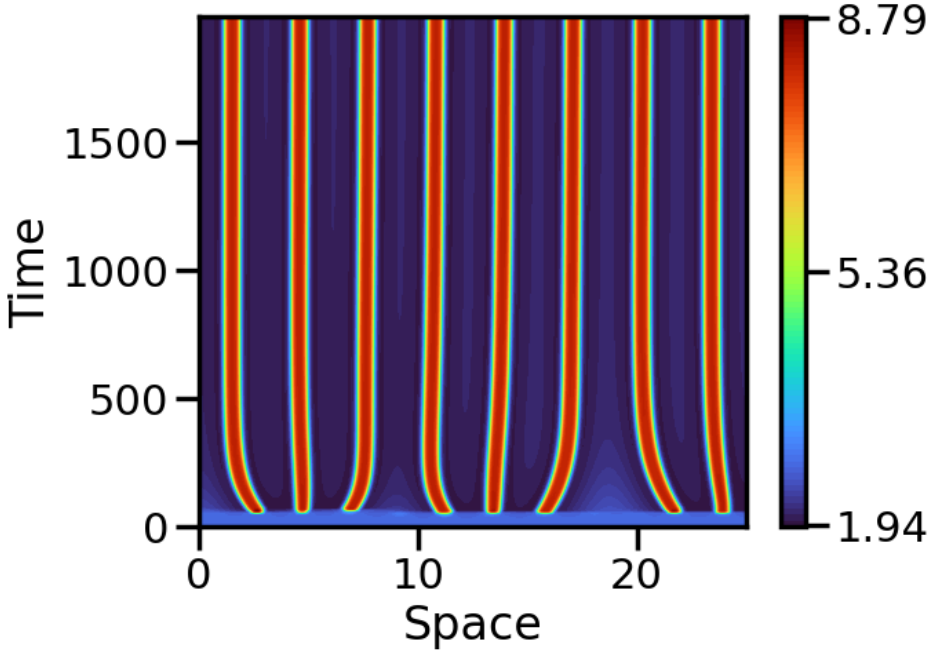




B) Turing instability

Dominant mode
above zero





Dispersion relation

Numerical solution