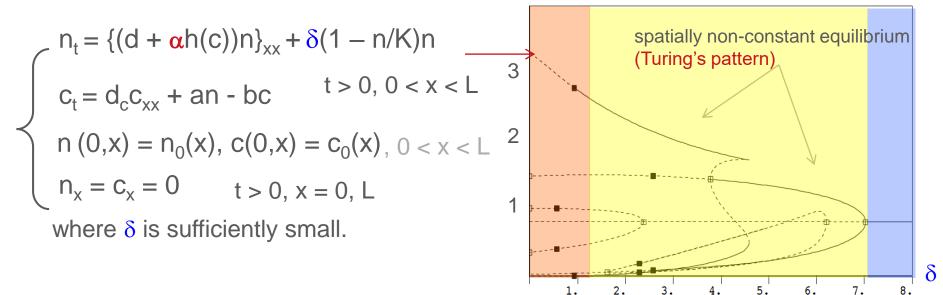
Global solution branch of equilibrium solutions with $\boldsymbol{\delta}$





The solution is approximated by the system with $\delta = 0$.

$$\begin{cases} n_{t} = \{(d + \alpha h(c))n\}_{xx} \\ t > 0, \ 0 < x < L \\ c_{t} = d_{c}c_{xx} + an - bc \\ n(0,x) = n_{0}(x), \ c(0,x) = c_{0}(x) \ , \ 0 < x < L \\ n_{x} = c_{x} = 0 \\ t > 0, \ x = 0, \ L \\ \frac{d}{dt} M(t) = 0 \longrightarrow M = \frac{1}{L} \int_{0}^{L} n dx = \frac{1}{L} \int_{0}^{L} n_{0} dx \end{cases}$$