

use caustics



Stable
form

cusps \rightarrow



Nature Has Discontinuities:

example: morphogenesis

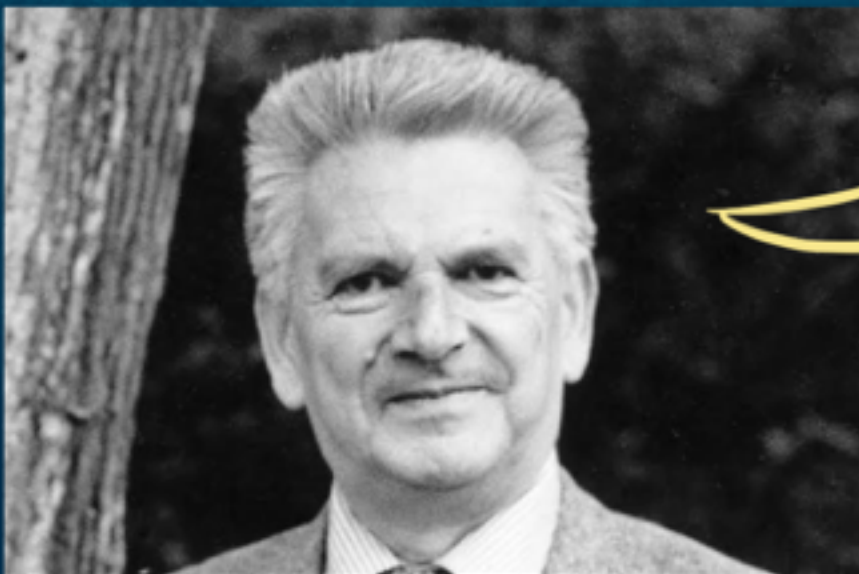


Nature Has Discontinuities:

example: morphogenesis



how do we model abrupt changes in form??



Use caustics



“There is little doubt that the epigenesis of a living being as a metabolic form resembles successive fibrations in Eilenberg-MacLane complexes more than cellular subdivision”

Thom, Structural stability and morphogenesis, p.201