

Radboud University Nijmegen







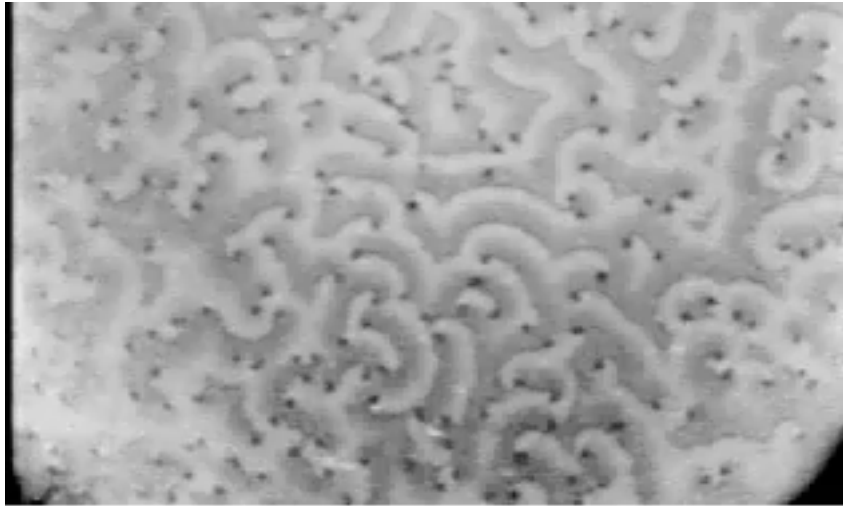




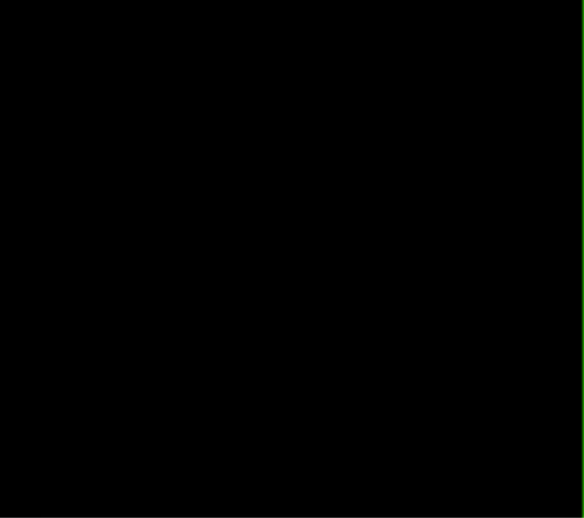


Forms are emergent,
self-organised:

Arise from interactions
between components
→ reduction of degrees
of freedom

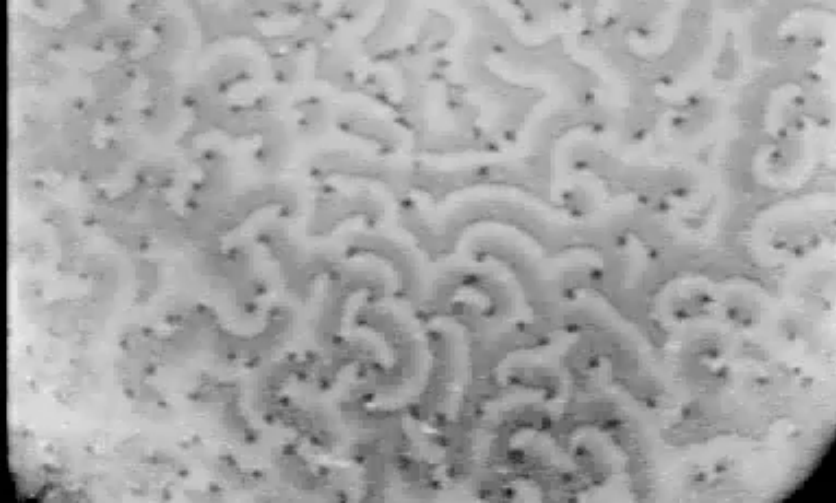


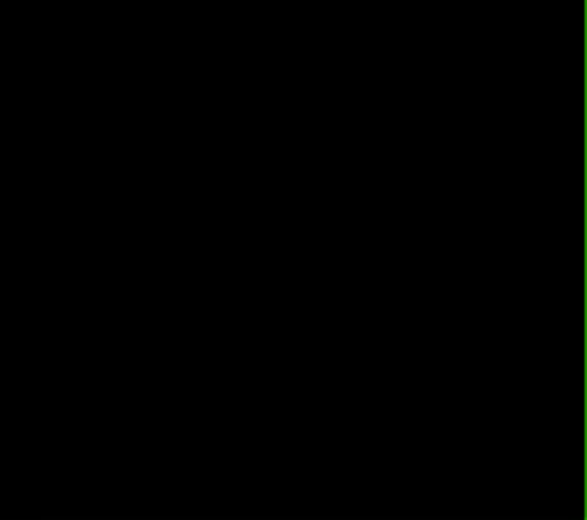




Order parameter: Labeling states of a complex system



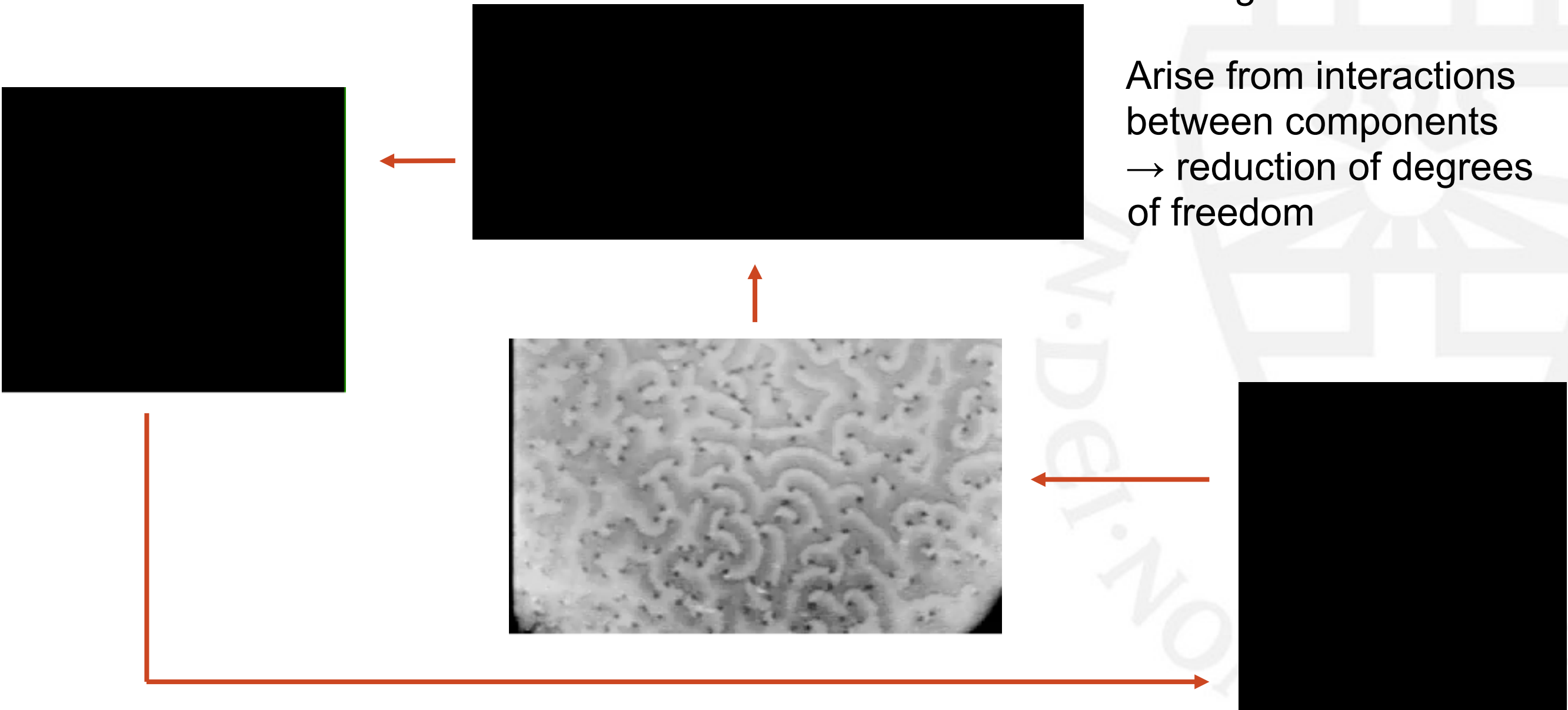




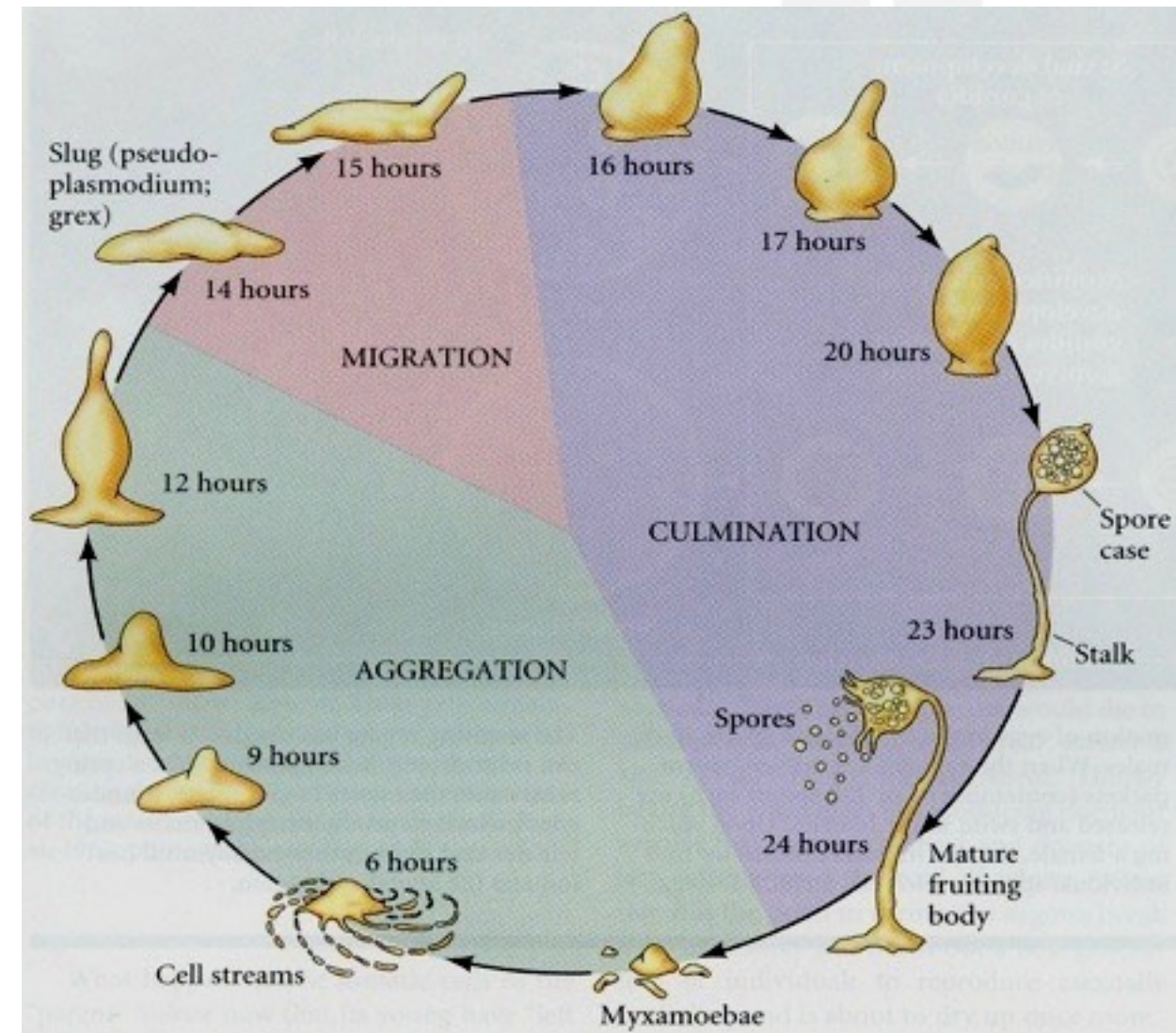
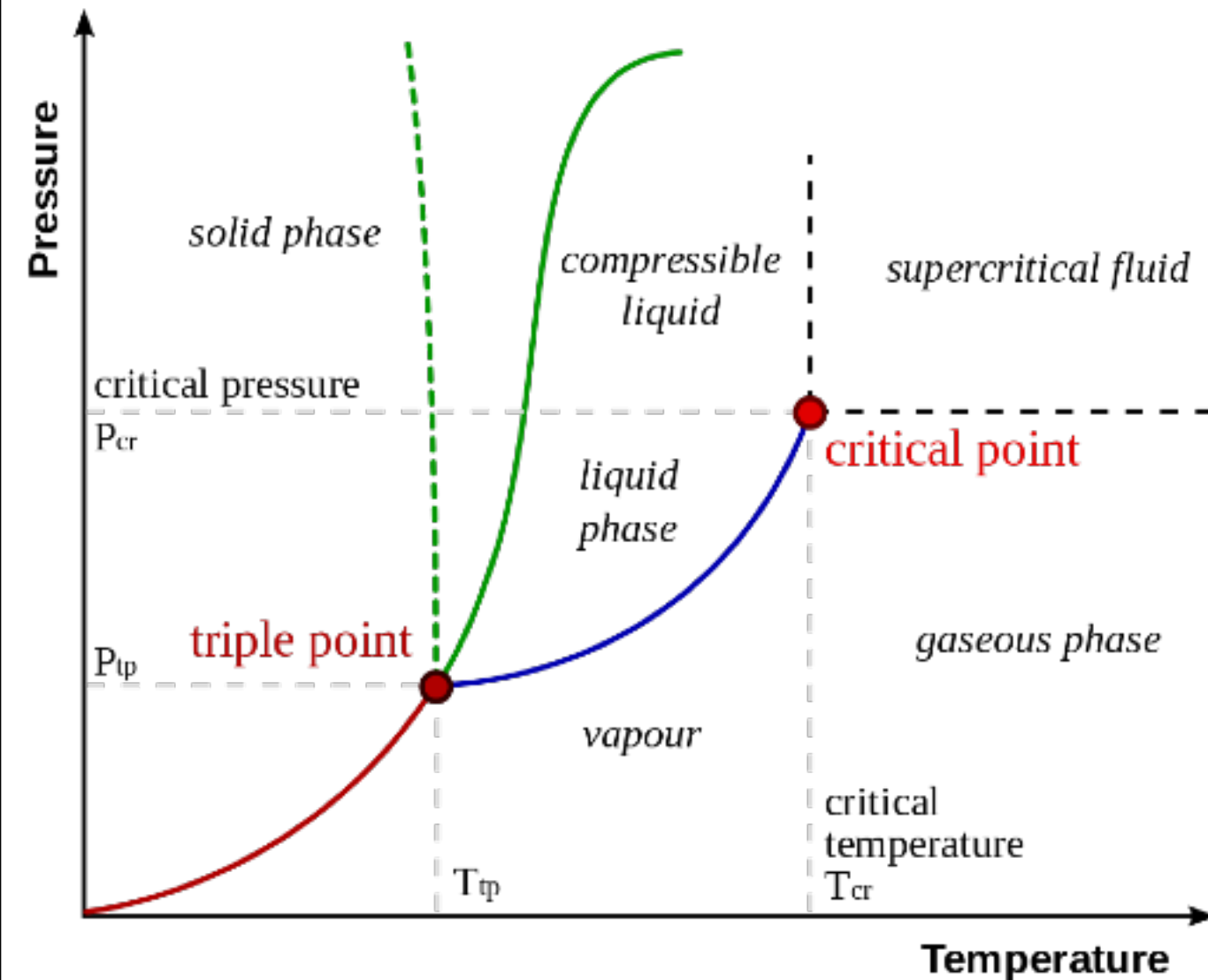
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Phase Diagram & Order parameter



The order parameter is often a qualitative description of a macro state / global organisation of the system, conditional on the control parameters:

H_2O : Ice (Solid), Water (Liquid), Steam (Vapour)

Dictyostelium: Aggregation (Mound), Migration (Slug), Culmination (Fruiting Body)