

naXys Research Day

13th May 2022

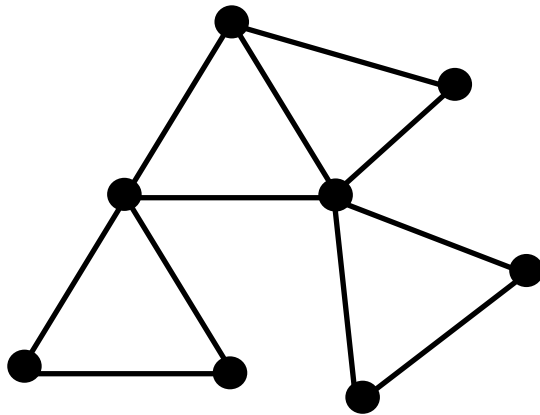
Social adoption on signed simplicial complexes

Jean-François de Kemmeter

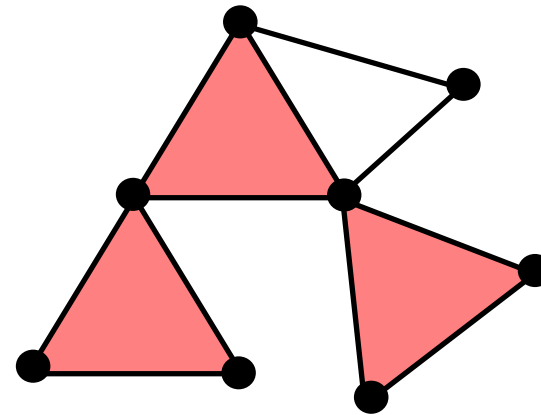
Supervisor: Timoteo Carletti

Ongoing research project with Luca Gallo and Fabrizio Boncoraglio (University of Catania, Italy)

Pairwise interactions and group interactions

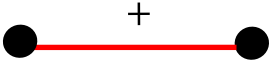
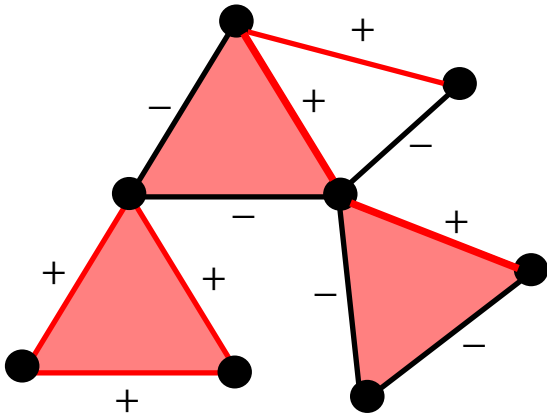
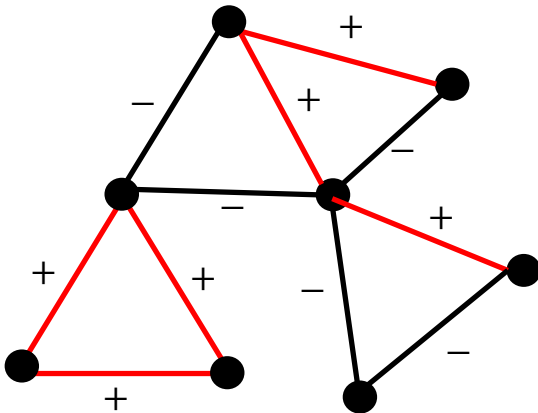


Network (pairwise interactions)

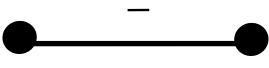


Simplicial complex
(group interactions)

Signed edges



friendship or trust relation



animosity or distrust relation

Social adoption on signed simplicial complexes

● Susceptible (has not adopted)

● Infected (has adopted)

