

TITLE: Beyond collective "flip-flops" in networks

In some modeling of opinion dynamics in social networks, agents might be influenced into changing back and forth between an opinion pro and an opinion contra, stuck forever in a "flip-flop" looping behavior.

I will investigate the conditions of such non-stabilizing phenomena within networks and show how to stop the "flip-flop" effect, either by modifying the network structure, or by allowing agents to reason about how other agents are influenced by their network-neighbors.