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TITLE. Trust-based belief dynamics

We present two formal systems for dealing with trust-based belief dynamics in the context of agent societies.

The first system is a modal logic that supports reasoning about trust-based belief change. The term trust-based belief change refers to belief change that depends on the degree of trust the receiver has in the source of information. The second is a simple system dealing with the propagation of opinions, represented in the form of 0/1 answers to a set of multiple binary issues, in a society of agents linked by a trust network. The process is iterative. We are interested in characterising starting situations that lead to convergence.