

Opinion dynamics of two populations with time-delayed coupling

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We analyze a Hegselmann-Krause type opinion formation model for a system of two populations. The two groups interact with each other via subsets of individuals, namely the leaders, and natural time delay effects are considered. By using careful estimates on the system's trajectories, we prove that all agents asymptotically converge to a consensus state. Some future research directions as well as possible applications are illustrated. Joint work with Chiara Cicolani, Università di L'Aquila.

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