

KBFI Teadusseminar

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Neljapäeval 25.06.2015, kell 11.00

Prof. Anirban Chakraborti

School of Computational and Integrative Sciences, Jawaharlal
Nehru University, New Delhi - 110067, INDIA

Opinion formation in the society using the kinetic exchange models

In this talk I will present the minimal multi-agent model [Lallouache et al., Phys. Rev. E 82, 056112 (2010)] for the collective dynamics of opinion formation in the society. I will discuss the background of kinetic exchange dynamics studied in the context of income, money or wealth distributions in a society, on which this model was based. This model has an intriguing spontaneous symmetry breaking transition to polarized opinion state starting from non-polarized opinion state. I will also briefly review the simple variants and extensions of this model that have been proposed recently by others.