

Abstract Submitted
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Three-body interactions in sociophysics and their role in coalition forming GERARDO NAUMIS, Instituto de Fisica UNAM — An study of the effects of three-body interactions in the process of coalition formation is presented. In particular, we modify an spin glass model of bimodal propensities to include a particular three-body hamiltonian that reproduces the main features of the required interactions. As an application, we analyze a simplified model of the Iraq war , which shows that three-body effects are sometimes more important than friendship.

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