

1097-35-527

Jesus Rosado Linares* (jesus.rosado.linares@gmail.com), 520 Portola Plaza, MS Building 6363, Los Angeles, CA 90095. *Effects of emotion in collective behavior models.*

Will review the derivation of a general kinetic model for swarming based in the three zones of interaction (attraction, alignment and avoidance) and extend it to describe the influence of emotional contagion between the individuals of the group. We will address both kind of models numerically, to gain insight on the asymptotic behavior of the system (Received January 29, 2014)