

Abstract : Meta-Reflexive Mimetism : The prisoner free of his dilemma

Much attention has been given in the last several years to imitation processes for the modeling of social systems in economy as well as in anthropology, sociology and political science. But the diversity of mimetic rules employed by modelers proves that the introduction of mimetic processes into formal models cannot avoid the traditional problem of endogenization of all the choices, including the one of the mimetic rules. This article addresses this question starting from the remark that human's reflexive capacities are the ground for a new class of mimetic rules. This leads us to propose a formal framework, meta-mimetic games, which advantage is to endogenize mimetic processes while being human specific. A computational study of a meta-mimetic game around the spatial prisoner dilemma is given as a first insight into meta-reflexive mimetic dynamics.