

Abstract Submitted
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Adapting and Vibration: Empirical Evidence from Human Subjects Experiments ZHIJIAN WANG, Social Science Laboratory, Zhejiang University, Hangzhou 310027, China, BIN XU, School of Public Administration, Zhejiang Gongshang University, Hangzhou 310018, China, DADONG YAN, Institute of Chemistry, Chinese Academy of Sciences, Beijing 100190, China — We report a vibration-like social phenomenon (mass behavior of human subjects) in the experiments of experimental economics. vibration is a long existed concept and a widely existed phenomenon in natural and in social phenomena. Usually, the causal of social phenomena is unclear, but recently developed experimental economics studies in laboratory make it possible. During a game in a laboratory experiment, the human subjects are interacting with each other by the strategies of the game, and as a phenomena, the society is keeping evolution. In strategy space, the variables as velocity, accelerant and speed of the subjects can be measured from the detail records of the human subjects from the experiments. Data from the human subjects experiments, which are from Public Goods Game (Chen and Tang, Journal Political Economics, 1998), 2×2 Games (Hyndman, et al, Experimental Economics, 2009) and Prisoners' Dilemma (Duffy and Ochs, Game and Economics behavior, 2009), is implicitly analysis, and harmonic-vibration-like phenomena is shown. This might be helpful to understand the dynamical proceeding of the adaption of a society of human subjects.

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