

Abstract Submitted
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Self-organization of plutonomy in competitive societies TAKASHI ODAGAKI, YUUNI TODATE, Tokyo Denki University, RYO FUJIE, Tokyo University — The plutonomy, where the top 1 percent of households accounts for more wealth than the bottom 99 percent, is an extreme form of hierarchy. It is an important question to find out what traits of competitive society lead to the extreme form of hierarchy. We investigate conditions for emergence of plutonomy in two model competitive societies. In a model where individuals make random walk and fight when they meet, we show that the order of move plays an important role and the plutonomy emerges when individuals have the same right to move first. For a model society where individuals participate in a competition with equal right, we show that the plutonomy can be self-organized when individuals grouped into several classes compete with those in the same class for a certain period (season) and they are regrouped at the end of every season. We also discuss various features of the emergence of plutonomy.

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