所得分配の数理

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Mathematical Background of Income Distribution

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Summary — Economists have been interested in the problem of income distribution for a long time. Some kind of mathematics used in the analysis of income distributions is attractive in itself and developed without any contact with economics, and other field of mathematics has developed stimulated by problems posed in economics. The problem of income distribution has been studied in terms of such various fields of mathematics. The purpose of this paper is showing mathematical background of the theory of income distribution.

Key words: income distribution, Lorenz dominance, doubly stochastic matrix, minimax theorem, distance