

On Existence of Social Welfare Functions on Infinite Utility Streams

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January 21, 2011

Abstract

We consider the existence of a social welfare function aggregating infinite utility streams. Recently, Dubey and Mitra (2010) showed that there exists a social welfare function satisfying the Finite Anonymity and Weak Pareto axioms if and only if the domain of the one period utilities satisfies the condition what they call “not of order type μ ”. We show that this domain condition is also necessary and sufficient for the existence of a social welfare function satisfying the Finite Anonymity and the Partial Pareto axioms, and for the the existence of a social welfare function satisfying the Finite Anonymity and the Dominance axioms.

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