

Three essays in choice and social choice theory

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Statements

Associated with the thesis

“Three essays in choice and social choice theory”

1. [In the multi-valued choice setting] there is no direct relation between IIA and WARP (this thesis, Chapter 1)
2. A Weak IIA choice correspondence that is, moreover, a projection, induces a partition of the set of alternatives such that the alternatives assigned to every choice set lie in exactly one element of this partition (this thesis, Chapter 1)
3. Efficiency and either population-monotonicity or one-sided replacement-dominance characterize the class of target set correspondences (this thesis, Chapter 2)
4. Although we only study compact subsets of \mathbb{R} , the compactness requirement is without loss of generality (this thesis, Chapter 2)
5. Strategy-proofness and peaks-onliness characterize the class of generalized median correspondences (this thesis, Chapter 3)
6. Peaks-onliness cannot be replaced by the “weaker” property of continuity (this thesis, Chapter 3)
7. It is impossible for any number which is a power greater than the second, to be written as the sum of two like powers. I have a truly marvelous demonstration of this proposition which this margin is too narrow to contain (Pierre de Fermat)
8. Eureka! Eureka! (Archimedes)