

Title: Domain theory and topological games

Domain is a partially ordered set that every directed set has the least upper bound and there was introduced some specific relation. We say that a space is domain representable if it is homeomorphic to a subspace of maximal elements of some domain. In 2015 W. Fleissner and L. Yengulalp introduced an analogous notion of π -domain representable space. We prove that a player α has a winning strategy in the Banach--Mazur game (strong Choquet game) on a space X if and only if X is countably π -domain representable (countably domain representable).