Summary: There is an open question in the Choquet game about existence of NONEMPTY’s winning 1-tactic whenever s/he has a Markov winning strategy in the Choquet game (Galvin). In a more general version, we can ask the question: If NONEMPTY has a $k$-Markov winning strategy in the Choquet game, does NONEMPTY have a winning $k$-tactic in that game? In some special topological spaces, we give some affirmative answers to this question. For example, we show that if NONEMPTY has a $k$-Markov winning strategy in the Choquet game on a topological group or on a space in which all points are P-points, then s/he has a winning $k$-tactic in this game.

MSC:

91A44 Games involving topology, set theory, or logic  
54H11 Topological groups (topological aspects)

Keywords:

Choquet game; Markov strategy; stationary strategy; tactic; topological games; topological groups

Full Text: Link

References:


This reference list is based on information provided by the publisher or from digital mathematics libraries. Its items are heuristically matched to zbMATH identifiers and may contain data conversion errors. It attempts to reflect the references listed in the original paper as accurately as possible without claiming the completeness or perfect precision of the matching.