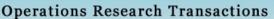
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图限制下合作对策的t值

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The \$\tau\$-value of Cooperative Games Restricted by Graph

WANG Wen-Wen, SUN Hao, HAN Wei-Bin

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摘要 本文给出图限制下合作对策 值的结构,这个单值解可看作是由Tijs提出的经典合作对策 值的推广.当合作图为完全图时,准均衡图 对策的 值与经典合作对策下的准均衡对策的 值一致. 值是基于核心的上界和对应于上界的超量得到对策的一个妥协解.利用分支有效 性,S-均衡下的相对不变性和限制成比例性讨论了 值的公理化方法.最后一部分讨论两类特殊图对策的 值.

关键词: 图对策 \$\tau\$值 准均衡 分支有效

Abstract: We first study the \$\tau\$-value for graph-restricted games and provide its explicit construction. The one-point solution could be considered as a natural extension of the \$\tau\$-value introduced by Tijs for classical cooperative games. When the cooperation graph is complete, the \$\tau\$-value for graph-restricted games coincides with the \$\tau\$-value for classical cooperative games. Then we provide an axiomatization of the \$\tau\$-value for graph-restricted games via component efficiency, relative invariance under S-equivalence and restricted proportionality. The last section introduces the \$\tau\$-value for two special classes of graph-restricted games.

Keywords: graph-restricted games, \$\tau\$-value, quasibalanced, component efficiency

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