

The core of TU games with infinitely many players

Miklós Pintér

Corvinus University of Budapest

Abstract

Transferable utility cooperative games with infinitely many players are considered. We give a necessary and sufficient condition for the κ -core of a game is not empty, where κ is an arbitrary transfinite cardinal, and the κ -core consists of κ -additive set functions. Our sufficient and necessary condition is called κ -balancedness.