

## **Axiomatizations of symmetrically weighted solutions**

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Abstract:

If the excesses of the coalitions in a transferable utility game are weighted, then we show that the arising weighted modifications of the (pre)nucleolus and (pre)kernel satisfy the equal treatment property if and only if the weight system is symmetric. We generalize Sobolev's axiomatization of the prenucleolus and its modification for the nucleolus as well as Peleg's axiomatization of the prekernel to the symmetrically weighted versions.