

Regular Semivalues and Applications

Abstract. We define a new family of values for cooperative games. Our most relevant result shows that the family of the weighting coefficients characterizing the values so defined is an open curve on the simplex of the regular semivalues. We provide also a pair of applications. The first one is the classical situation of the EU parliament and the UN Security Council. The second one is much more recent, and it aims at ranking genes responsible of the onset of some genetic disease.

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