

Consistent Methods of Distributive Justice, Representing Rules by Hydraulics

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Abstract

Consistency is a fundamental principle of distributive justice. It states that if an allocation among a group of individuals is fair then it should be perceived as fair when restricted to any subgroups. Young proved that for any continuous, symmetric and pairwise consistent method there is a parametric representation. In 2000 Kaminski introduced hydraulic rationing to represent division problems. Hydraulics do not only help to illustrate taxation problems, but make it easier to prove statements as we will demonstrate on a theorem of Aumann and Maschler.