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A note on Thomson's characterizations of the uniform rule. (English) Zbl 0893.90007
J. Econ. Theory 69, No. 1, 255-261 (1996).

Summary: *W. Thomson* [*J. Econ. Theory* 63, No. 2, 219-245 (1994; [Zbl 0864.90008](#))] proved that the uniform rule of the fair division problem, where preferences are single-peaked, is the unique rule which is bilaterally consistent, continuous, Pareto optimal, and envy-free, in a setting of an infinite number of potential agents. We show that the uniqueness of the uniform rule is achieved without assuming continuity, even in a setting of a finite number of potential agents. A similar result is obtained by replacing envy-freeness with individual rationality from equal division.

MSC:

[91B14](#) Social choice
[91B08](#) Individual preferences

Cited in **13** Documents

Keywords:

fair division; uniqueness of the uniform rule; envy- freeness; individual rationality

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