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Closure under interim utility equivalence implies two-agent Bayesian implementation. (English) [Zbl 1437.91188](#)
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Summary: We study the relationship between the two-agent implementation problem and the concept of interim efficiency of *B. Holmström* and *R. B. Myerson* [*Econometrica* 51, 1799–1819 (1983; [Zbl 0521.90008](#))] in Bayesian environments with private values and independent types. We present a general property, called *closure under interim utility equivalence*, and show it is sufficient for the implementation of social choice functions. This condition, when combined with another property, called *interim inseparability*, is also sufficient for the implementation of essentially single-valued social choice sets. The characterization results are then examined in a variety of environments.

MSC:

[91B14](#) Social choice

Keywords:

[implementation theory](#); [incomplete information](#)

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