

# Nash Equilibrium Allocations in a Multiple Public Goods Economy

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## Abstract

We study allocations of multiple public goods attainable through Nash equilibrium of voluntary contribution of non-consumable private resources. We characterize Nash equilibrium allocation with transfer and establish a public goods version of the fundamental theorem of welfare economics.

**Keywords:** multiple public goods, private provision, Nash equilibrium, welfare theorem

**JEL classification:** C72, D61, H41

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