

## Self-Commuting Functions on a Finite Set

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Commutation is defined for multi-variable functions as a generalization of commutation for unary functions. Contrary to the unary case, however, commutation relation for multi-variable case is not reflexive. A function  $f$  is called *self-commuting* if  $f$  commutes with itself.

In this talk we consider a simple case of self-commuting functions. Namely, we determine binary functions on a finite set which are self-commuting and conservative.

This is a joint work with I. G. Rosenberg.