

EQUIVALENCE OF FUNCTIONS OVER FINITE SPACES VIA GROUP THEORY

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The major concepts for equivalence of functions over finite vector spaces are EA equivalence and CCZ equivalence. Experience shows that these equivalence problems are difficult. Commonly one tries to solve such questions with the help of suitable invariants. In favorable situations group theory can be an effective tool. We illustrate such group theoretical techniques by two examples: power functions and a class of Maiorana bent functions.