Tang, Shangang
Combinatorial identities for enumerations of equivalent classes with action of group on set. (Chinese. English summary) [Zbl 1449.05030]

Summary: By using Burnside-Polya enumerating method, principle of inclusion-exclusion and other combinatorial analysis, a class of combinatorial identities for equivalent classes with action of group on set are studied. Some combinatorial identities for enumerations of equivalent classes of a class of mapping under identical transformation group and cycle group and dihedral group actions are obtained. These results generalize some known results.

MSC:
05A19 Combinatorial identities, bijective combinatorics

Keywords:
action of group on set; principle of inclusion-exclusion; Burnside-Polya enumerating method; equivalent class; combinatorial identities

Full Text: DOI