
MARK KLEINER, Syracuse University

Induction and restriction functors in representation theory of partially ordered sets

Given a finite group with a subgroup, the induction and restriction functors are useful for understanding the structure of representations of the group. Given a finite partially ordered set with a subset, one defines the induction, coinduction, and restriction functors in a natural way. We discuss how one can use these functors to get information about the category of representations of the partially ordered set.