

1125-05-3027 **Michelle L. Wachs*** (wachs@math.miami.edu). *Homology of Partition Posets*. Preliminary report.

We give a survey of results obtained over the years, on (co)homology of various posets related to the partition lattice, focussing on bases for (co)homology and representations of the symmetric group on (co)homology. Examples include the partition lattice itself, the 1 mod k partition poset, and the recently studied weighted partition poset. (Received September 20, 2016)