

1106-13-1487      **Federico Galetto\***, 48 University Avenue, Kingston, ON K7L 3N6, Canada. *On a family of equivariant resolutions*. Preliminary report.

For modules over polynomial rings with a reasonable group action, the minimal free resolution of the module inherits an action by the same group. Understanding how the group acts on the resolution leads to a refinement of classical invariants of the module, such as the Betti numbers and the Hilbert series. In this talk, I will present examples of resolutions with group actions and their connections with representation theory and geometry. (Received September 13, 2014)