

1058-22-238

**Rahbar Virk\*** ([virk@math.wisc.edu](mailto:virk@math.wisc.edu)), Department of Mathematics, University of Wisconsin,  
480 Lincoln Drive, Madison, WI 53706. *Soergel's character formula for tilting modules via derived  
equivalences*. Preliminary report.

We explain how Soergel's character formula for tilting modules (for semisimple Lie algebras) is a consequence of the existence of a family of derived equivalences which are a categorical incarnation of a braid group action on category  $\mathcal{O}$ . (Received February 15, 2010)