

1052-05-80

**Charles Buehrle\*** ([ceb405@lehigh.edu](mailto:ceb405@lehigh.edu)), Department of Mathematics, Lehigh University, Bethlehem, PA 18015. *A new construction of Kazhdan-Lusztig's representations of the Hecke algebra.*

We state vanishing results for Kazhdan-Lusztig immanants belonging to the quantum polynomial ring. Applying these results we find a new construction of Kazhdan-Lusztig's representation of the Hecke algebra without employing the Kazhdan-Lusztig preorder. (Received August 30, 2009)