
Decomposition of the product of a monomial and a Demazure atom

Anna Ying Pun*¹

¹Department of Mathematics [Philadelphia] – David Rittenhouse Lab. 209 South 33rd Street
Philadelphia, PA 19104-6395, United States

Abstract

We prove that the product of a monomial and a Demazure atom is a positive sum of Demazure atoms combinatorially. This result proves one particular case in a conjecture which provides an approach to a combinatorial proof of Schubert positivity property.

*Speaker