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**Elizabeth Drellich\***, drellich@math.umass.edu, and **Julianna Tymoczko**. *A Module Isomorphism between  $H_T^*(G/P) \otimes H_T^*(P/B)$  and  $H_T^*(G/B)$ .*

We give an explicit (new) morphism of modules between  $H_T^*(G/P) \otimes H_T^*(P/B)$  and  $H_T^*(G/B)$  and prove (the known result) that the two modules are isomorphic. Our map identifies submodules of the cohomology of the flag variety that are isomorphic to each of  $H_T^*(G/P)$  and  $H_T^*(P/B)$ . With this identification, the map is simply the product within the ring  $H_T^*(G/B)$ . Using this map we describe module bases for  $H_T^*(G/B)$  that are different from traditional Schubert classes and from each other, and give an application to representation theory. (Received July 28, 2014)