1037-14-366   **Julianna Tymoczko*** (`tymoczko@math.uiowa.edu`), Department of Mathematics, 14 MacLean Hall, Iowa City, IA 52242. *Geometric representations through Springer fibers and related varieties.*
Springer fibers provide one classical way to construct geometric representations of the symmetric group. We discuss some new results concerning the geometry of Springer fibers and related varieties, and point to connections to representation theory. (Received February 05, 2008)