1033-22-105   **Benjamin F Jones*** (`bjones@math.uga.edu`), Department of Mathematics, University of Georgia, Athens, GA 30602-7403. *Singular Chern Classes of Schubert Cells and Varieties Via Small Resolution.*

We discuss the problem of computing the Chern-Schwartz-MacPherson classes of Schubert cells and varieties in the Grassmannian using small resolutions. The geometry leads to a different approach than Allufi-Mihalcea who have computed the classes and conjectured their positivity. We show how this approach leads to a proof that codimension one coefficients in these classes are positive. (Received September 06, 2007)