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**Alexander Woo\*** ([awoo@math.ucdavis.edu](mailto:awoo@math.ucdavis.edu)), Department of Mathematics, Mathematical Sciences Building, One Shields Avenue, Davis, CA 95616, and **Alexander Yong**. *Local Neighborhoods of Schubert Varieties*. Preliminary report.

We use Gröbner bases to compute various invariants of singularities, including multiplicity and Cohen-Macaulay type, at various points of Schubert varieties. A combinatorial notion we introduce and call Bruhat-restricted pattern avoidance gives isomorphisms of local neighborhoods, allowing us to extrapolate values on one Schubert variety to other Schubert varieties. (Received March 08, 2006)