1125-51-2040 **R Goldin*** (`rgoldin@gmu.edu`), MS 3F2, 4400 University Drive, Fairfax, VA 22039. *Positivity in Schubert Calculus, with Symplectic Analogs.*

Schubert calculus is the study of (complex) intersections of a specific set of varieties in the flag manifold; the intersection numbers and their generalizations to equivariant cohomology and K-theory are manifestly positive, defined in an appropriate sense. I will present results toward finding positive formulas for (some of) the structure constants in the corresponding rings, with generalizations to the symplectic category. Part of this work is joint with Allen Knutson, and part with Susan Tolman. (Received September 19, 2016)