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Hugh Dennin, Adam Gregory* (adamgregory@ufl.edu) and **Zachary Hamaker**. *On Principal Specializations of Schubert Polynomials*. Preliminary report.

In 2017, Stanley posed several problems concerning the principal specialization of a Schubert polynomial and these questions have received fruitful attention in the years since. For example, Weigandt has established a lower bound in terms of permutation-patterns that was subsequently improved upon by Gao, who then conjectured a vast generalization. This talk will present our progress made towards affirming Gao's conjecture. This is joint work with Hugh Dennin and Zachary Hamaker. (Received September 21, 2021)