1154-14-2238 **Zachary Hamaker** and **Oliver Pechenik***, Department of Mathematics, University of Michigan, 530 Church St, Ann Arbor, MI 48103, and **Anna Weigandt**. *Gröbner geometry of Schubert polynomials through ice.* Preliminary report.

Knutson and Miller (2005) showed that the multidegree of a matrix Schubert variety X_w is the corresponding Schubert polynomial $\mathfrak{S}_w$. Moreover, after Gröbner degeneration with respect to any antidiagonal term order, the resulting irreducible components are naturally labeled by the pipe dreams for w. In later work with Yong (2009), they used diagonal term orders to obtain alternative combinatorics for certain X_w. We present further results in this direction, with connections to a neglected Schubert polynomial formula of Lascoux (2002) in terms of the square-ice model (recently rediscovered by Lam, Lee, and Shimozono in the guise of "bumpless pipe dreams"). (Received September 17, 2019)