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Qingchun Ren, Kristin Shaw and Bernd Sturmfels* (bernd@berkeley.edu), Department of Mathematics, University of California, Berkeley, CA. *Tropical Del Pezzo Surfaces*. Preliminary report.

Del Pezzo surfaces are obtained by blowing up the plane at few points. We explore this tropically for five and six points, with the goal of drawing pictures of the intrinsic tropicalization of a cubic surface minus its 27 lines. Our techniques range from controlled modifications to running gfan on the universal Cox ideal over the relevant moduli space. (Received September 03, 2013)