1104-14-64 **Dan Abramovich*** (abrmovic@math.brown.edu), Department of Mathematics, Brown University Box 1917, 151 Thayer Street, Providence, RI 02912. *Artin fans.* Preliminary report.

Artin fans are 0-dimensional algebraic stacks which encode the combinatorial structure of a subvariety of a toric variety, or more generally of a logarithmic structure. They are closely related to Olsson's stack of logarithmic structure. For tropical geometry, Artin fans have the appealing feature that superabundance evaporates. I will explain how this was used in work with Chen, Marcus, and Wise on logarithmic Gromov-Witten theory. I will describe other potentially appealing features of Artin fans and their analytification, that arise in ongoing and future work with these people as well as Gross and Siebert and Martin Ulirsch. (Received August 19, 2014)