## "Approximating the Complex Roots of Univariate Trinomials" by Christine McMeekin and Mike Musty

We will show how the lower binomials of the Archimedean Newton Polytope of an arbitrary sparse trinomial p(x) can be used to estimate the actual roots of p. We will give experimental evidence showing that this approximation is intimately connected to the distance between p and the discriminant variety of such trinomials. Moreover, we will give a conjecture on a precise formula and its plausibility. The presentation will conclude with the implications of such a statement and the further work needed to develop a proof of the extended problem for a polynomial with an arbitrary number of terms.