1096-57-1266 **Michael Brad Henry*** (mbhenry@siena.edu) and **Dan Rutherford** (drruther@uark.edu).
Ruling polynomials and augmentations over finite fields.

For any Legendrian link, L, in $(\mathbb{R}^3, \ker(dz - y\,dx))$ we define invariants, $Aug_m(L, q)$, as normalized counts of augmentations from the Legendrian contact homology DGA of L into a finite field of order q where the parameter m is a divisor of twice the rotation number of L. Generalizing a result of Ng and Sabloff for the case $q = 2$, we show the augmentation numbers, $Aug_m(L, q)$, are determined by specializing the m-graded ruling polynomial, $R^m_L(z)$, at $z = q^{1/2} - q^{-1/2}$. As a corollary, we deduce that the ruling polynomials are determined by the Legendrian contact homology DGA. (Received September 14, 2013)