1133-51-267 **Emmy Murphy*** (e_murphy@math.northwestern.edu) and **Roger Casals**. *Legendrian surfaces and planar cubic graphs.*

Given a graph G embedded in the plane of valence 3, we associate to it a Legendrian surface in the standard contact $\mathbb{R}^5$. We describe how to compute the Legendrian contact homology of this Legendrian, in terms of the combinatorics of the graph. As explained by Treumann-Zaslow, the category of constructable sheaves recovers the chromatic data of G. Inspired by the larger "augmentations are sheaves" conjecture we show how the LCH contains the colorings of G. If times allows we may discuss the relationship with SL_2 gauge theory. (Received July 28, 2017)