1093-57-245 **Dan Rutherford*** (drruther@uark.edu) and **Michael Sullivan**. *On computation of Legendrian contact homology in dimension* 2. Preliminary report.

This is a preliminary report on joint work in progress with Michael Sullivan. The aim is to provide formulas that give the Legendrian contact homology DGA (Differential Graded Algebra) of a 2-dimensional Legendrian in the 1-jet space of a surface. Our approach requires as input a polygonal decomposition of the surface into squares subject to some technical restrictions and so that above each square the crossing and cusp locus of the Legendrian fits one of several standard forms. A DGA stable tame isomorphic to the Legendrian contact DGA of L should then arise so that each closed 2-cell of the decomposition corresponds to a sub-DGA for which the differential has an explicit formula determined by the form of the Legendrian above the 2-cell. (Received August 16, 2013)