1147-53-761 **Spencer Becker-Kahn\*** (`stbk@uw.edu`), Seattle, WA , and **Neshan Wickramasekera**. *Branch Points of Two-Valued Minimal Lipschitz Graphs.*

For singular minimal submanifolds, the obstacle to gaining optimal estimates on the size of the singular set is that branch point singularities are hard to understand. Branch points are singular points at which the tangent cone is regular, *i.e.* the tangent is a flat plane, necessarily occurring with some multiplicity greater than 1. We will describe a new epsilon regularity theory that deals with multiplicity two branch points of any stationary integral varifold that comes from a two-valued Lipschitz graph. This seems to be the first epsilon regularity theorem for branch points that holds in arbitrary dimension and codimension. (Received January 28, 2019)