Meeting Updates

* Tile method
  + Experiments
    - Quantitative
      * **20 - 30 test images with known tiles**
      * Goal is to get the tile prediction to 90% accuracy
      * Accuracy of parameter estimation
    - Qualitative
      * Coloring the graph
* Tile & Interpolation
  + Common data set w/ some tiles and curves
    - highlight limits of tile method
    - add rotations and warping to data

Deadlines

* Tuesday 11/17 - Finish Tile Stitching & Coloring
* Wednesday 11/18 - Finish Experiments
* Friday 11/20 - Final Update Website
  + Work on website directly when inserting new updates from experimentation
* Monday 11/23 - Video Due

Assignments

* Generate set of test images (20-30) - Claudia
  + Types
    - MIT repo - 3 different knots (complexity)
      * Widths - thin, average, thick
      * Gap width
    - Curvy ones - 7 other ones (find online or draw myself)
      * Trace a spaghetti junction
      * <https://www.google.com/url?sa=i&url=https%3A%2F%2Fwww.mudchutney.co.uk%2Fproducts%2Fceltic-knot-long-sleeve-shirt-1&psig=AOvVaw36RDMOQlMaghVlw5Dm8p2E&ust=1605663775317000&source=images&cd=vfe&ved=0CAIQjRxqFwoTCJCei_C5iO0CFQAAAAAdAAAAABAi>
      * <https://www.google.com/url?sa=i&url=https%3A%2F%2Ffavpng.com%2Fpng_view%2Fceltic-celtic-knot-triquetra-celts-symbol-png%2FKeKVk26U&psig=AOvVaw36RDMOQlMaghVlw5Dm8p2E&ust=1605663775317000&source=images&cd=vfe&ved=0CAIQjRxqFwoTCJCei_C5iO0CFQAAAAAdAAAAABAo>
      * <https://www.google.com/url?sa=i&url=https%3A%2F%2Fwww.cleanpng.com%2Fpng-celtic-knot-triquetra-symbol-celts-charmed-triquet-5888592%2F&psig=AOvVaw36RDMOQlMaghVlw5Dm8p2E&ust=1605663775317000&source=images&cd=vfe&ved=0CAIQjRxqFwoTCJCei_C5iO0CFQAAAAAdAAAAABAu>
      * <https://www.google.com/url?sa=i&url=https%3A%2F%2Fwww.mudchutney.co.uk%2Fproducts%2Fceltic-knot-long-sleeve-shirt-1&psig=AOvVaw36RDMOQlMaghVlw5Dm8p2E&ust=1605663775317000&source=images&cd=vfe&ved=0CAIQjRxqFwoTCJCei_C5iO0CFQAAAAAdAAAAABA1>
      * <https://www.google.com/url?sa=i&url=https%3A%2F%2Fwww.1001freedownloads.com%2Ffree-cliparts%2F%3Forder%3Dpopular%26tag%3Dknot&psig=AOvVaw36RDMOQlMaghVlw5Dm8p2E&ust=1605663775317000&source=images&cd=vfe&ved=0CAIQjRxqFwoTCJCei_C5iO0CFQAAAAAdAAAAABBg>
      * <https://www.google.com/url?sa=i&url=https%3A%2F%2Fflyclipart.com%2Fceltic-knot-vector-drawing-celtic-cross-clipart-black-and-white-610954&psig=AOvVaw36RDMOQlMaghVlw5Dm8p2E&ust=1605663775317000&source=images&cd=vfe&ved=0CAIQjRxqGAoTCJCei_C5iO0CFQAAAAAdAAAAABDEAg>
      * <https://www.1001freedownloads.com/free-clipart/entrelac-5-branches>
      * Quadrant\_circle: <http://clipart-library.com/clipart/celtic-knot-clipart_7.htm>
  + Info/config
    - Spec files/config files for each
    - Tile types (for the MIT repo)? - parse config file
    - Parameters
    - Human spline drawing - corresponding image name
* Stitching tiles together to get nodes - Jack
* Parameter testing update - Claudia