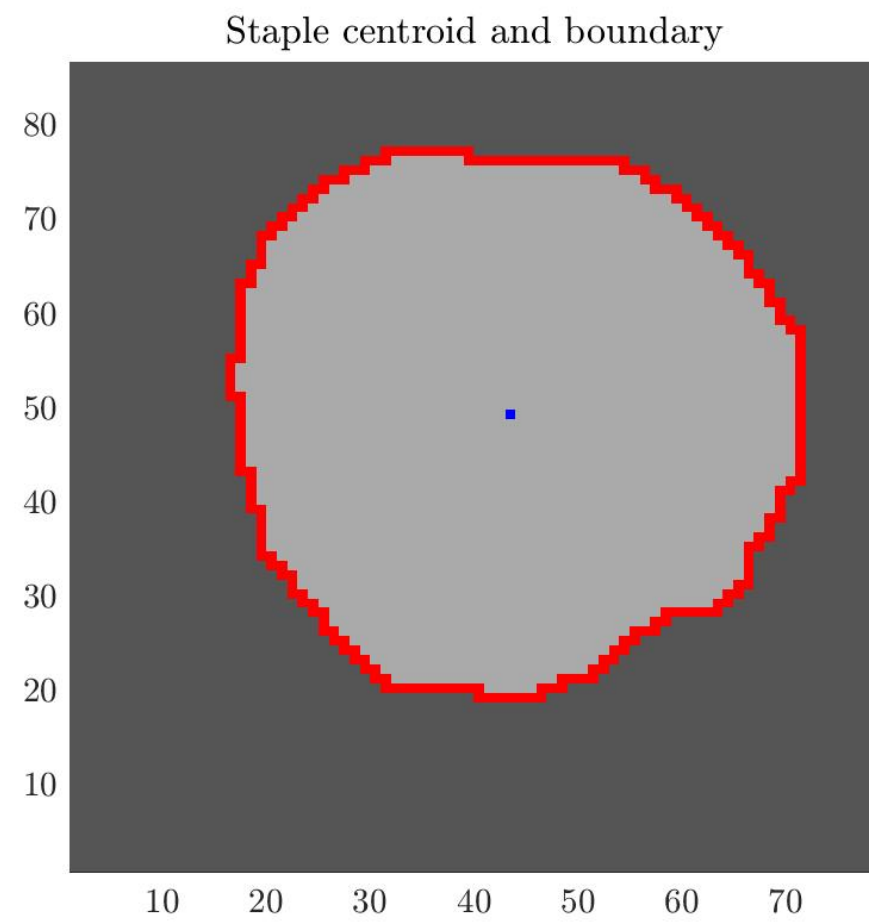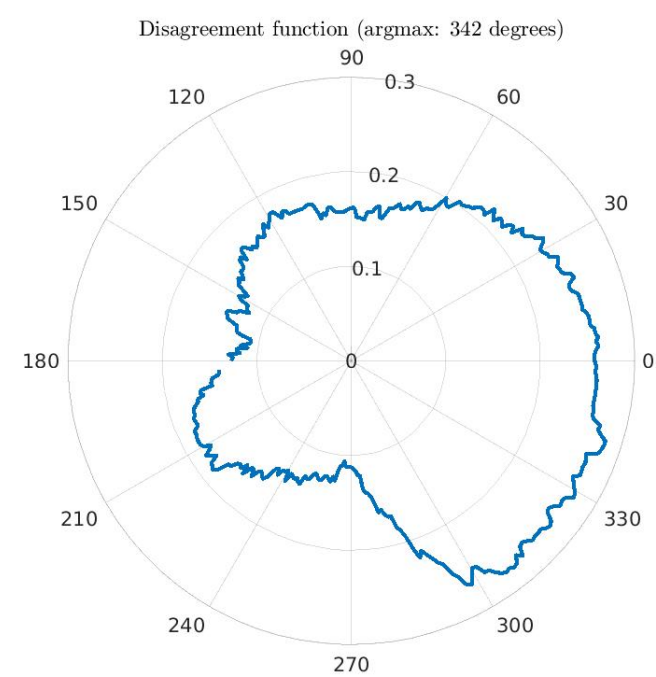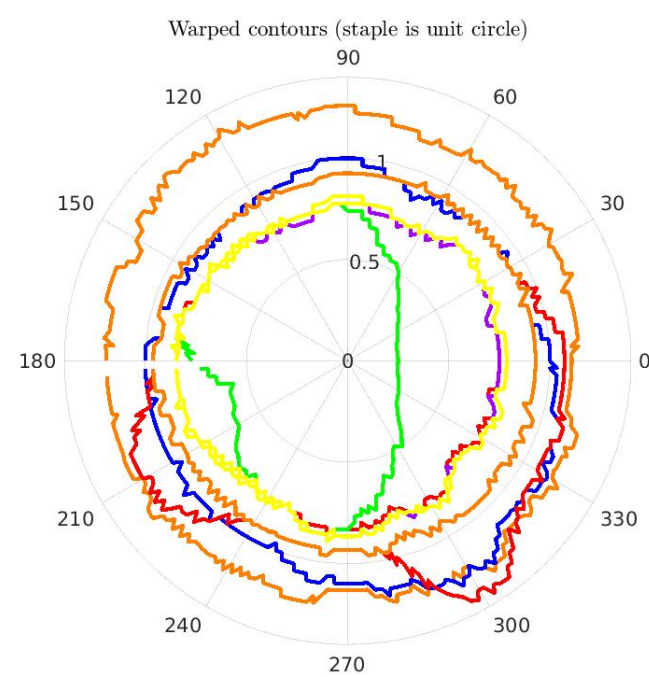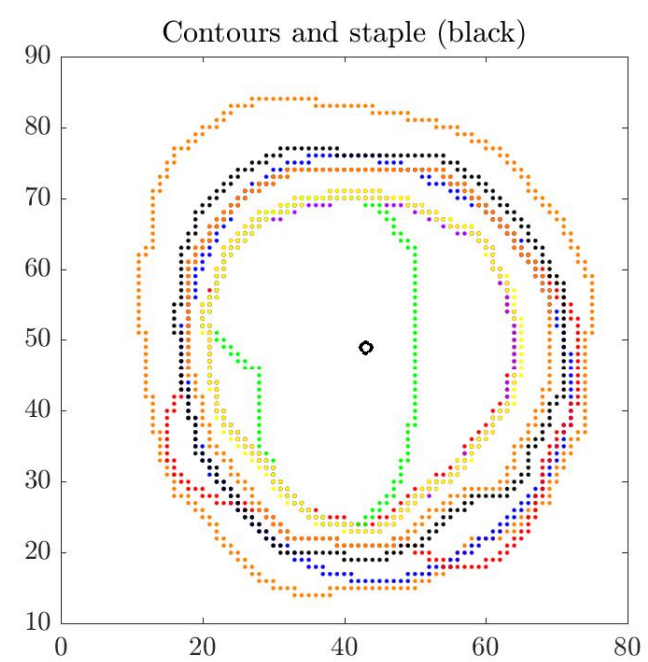# Tasks

- I updated the 2D directional analysis for Case10.

- I started working on the 3D directional analysis for Case10.

2D contour analysis

- I used the actual agreement contour ("staple")

- I cleaned up some functions.

- I changed the coordinate system so that images are displayed in standard anatomical coordinates, and the angle is now measured counter-clockwise from image right.
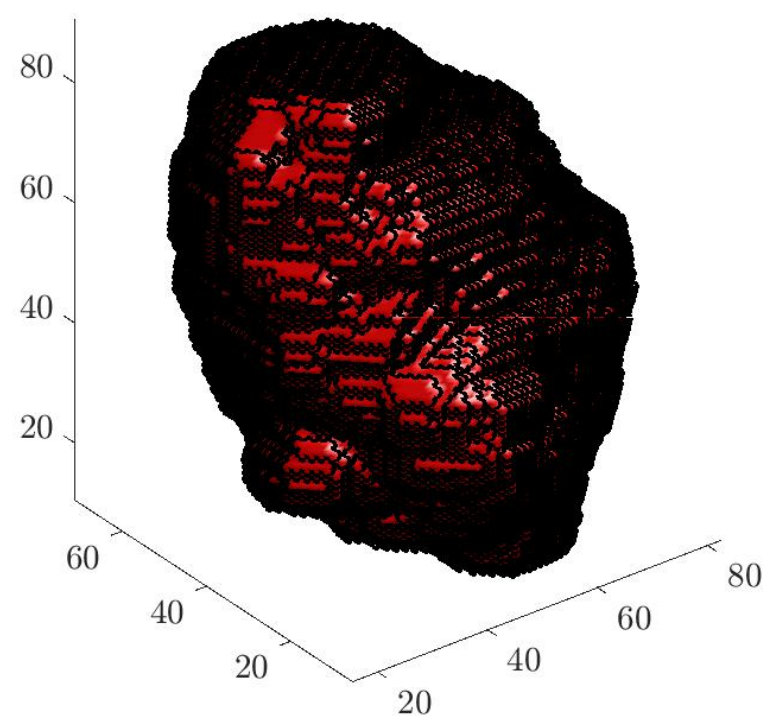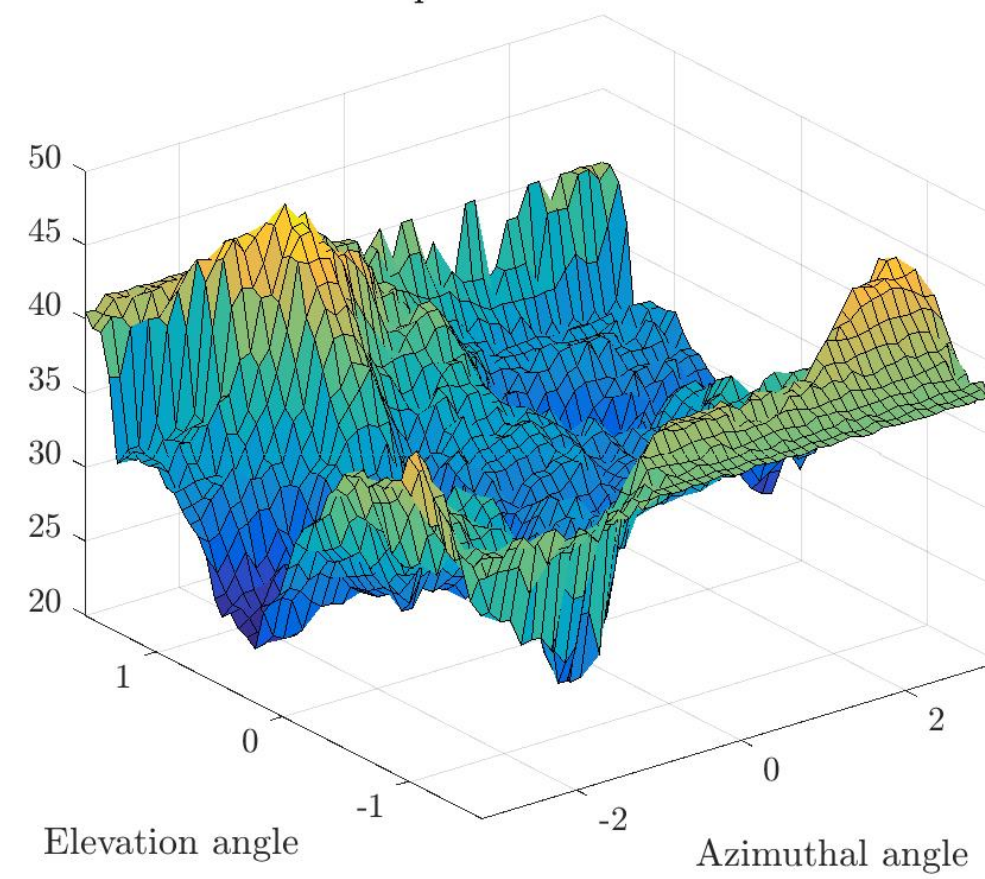
- I made polar coordinate plots.

Staple centroid and boundary

Staple radius function

Contours and staple (black)

Warped contours (staple is unit circle)

Disagreement function (argmax: 342 degrees)
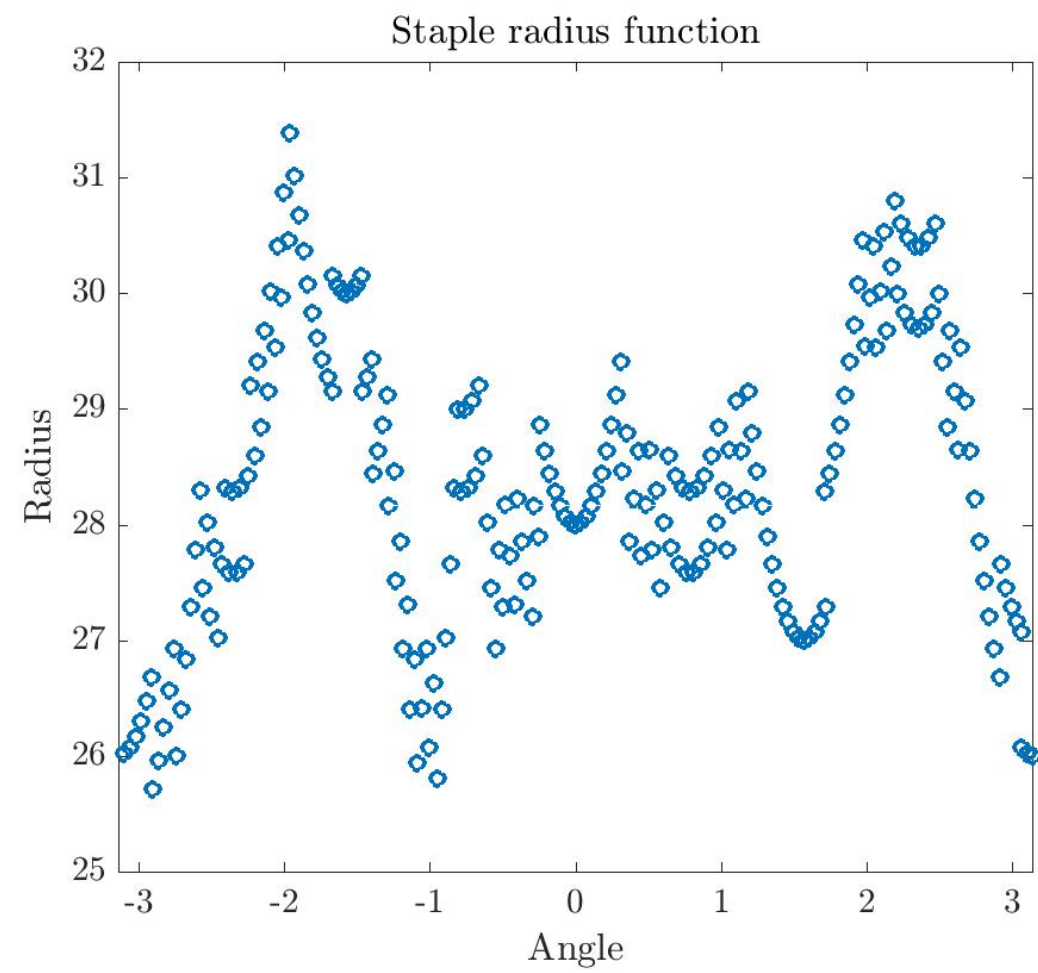
3D contour analysis

- I started writing the code to do equivalent warping in 3D.

Staple and boundary

Staple radius function

Elevation angle

Azimuthal angle

Disagreement function