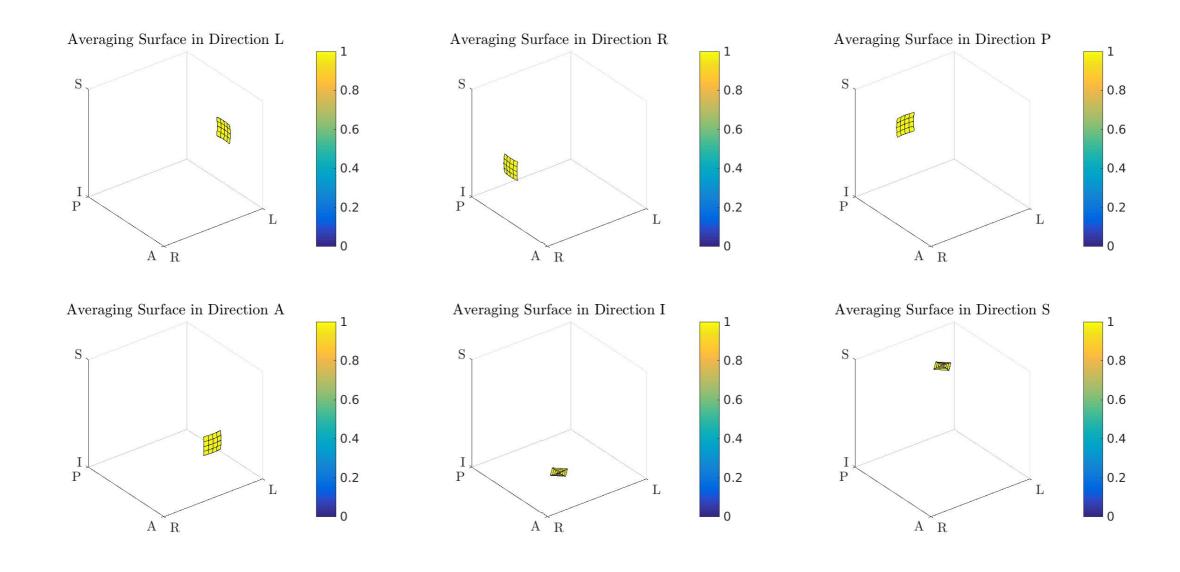
Tasks

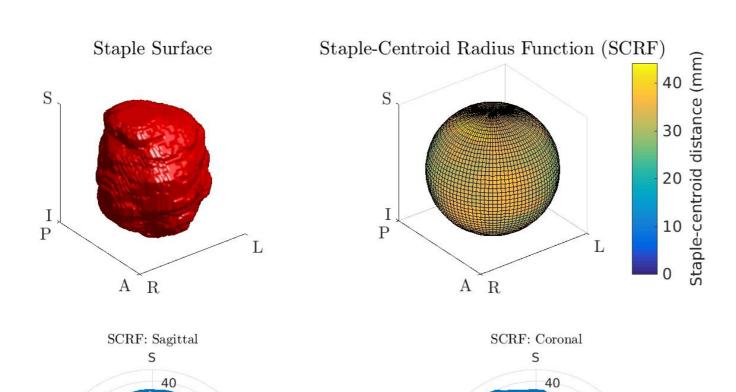
- I created a routine to make polar plots of cross-sections of functions of spherical coordinate angles (yz,xz,xy planes).
- I updated the routine that averages over solid angles.
- I accounted for voxel dimensions.
 - I updated the extraction code to find the voxel dimensions from planC.

Surfaces for averaging

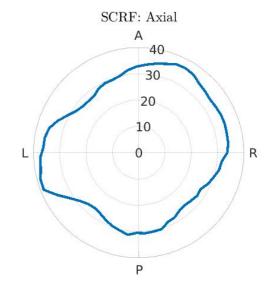


 Not actually cones, as I said before, but "squares" on sphere surface.

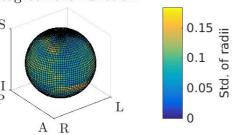
P



R







L: 0.087

R: 0.092

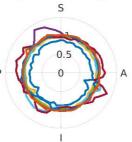
P: 0.085

A: 0.078

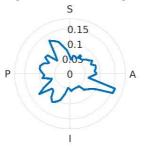
I: 0.058

S: 0.065

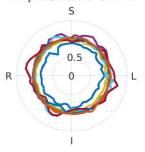
Warped Contours: Sagittal



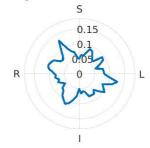
Disagreement Function: Sagittal



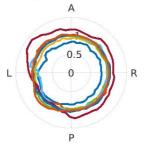
Warped Contours: Coronal

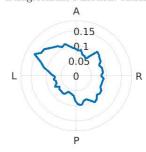


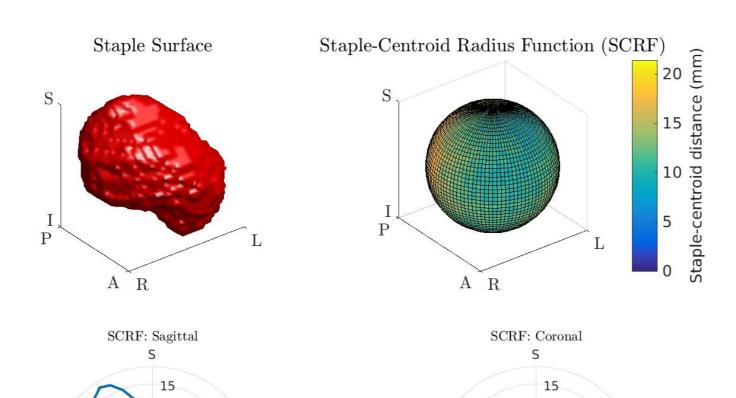
Disagreement Function: Coronal

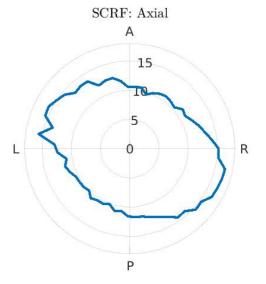


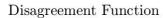
Warped Contours: Axial

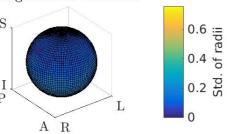












L: 0.380

R: 0.139

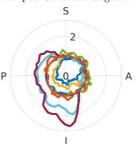
P: 0.334

A: 0.157

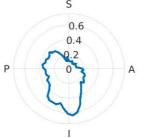
I: 0.598

S: 0.115

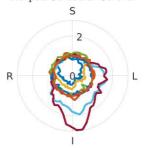
Warped Contours: Sagittal



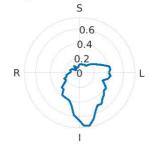
Disagreement Function: Sagittal



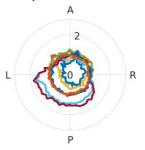
Warped Contours: Coronal

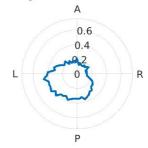


Disagreement Function: Coronal

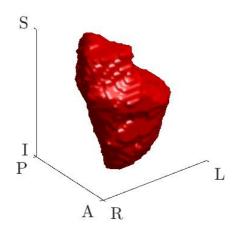


Warped Contours: Axial

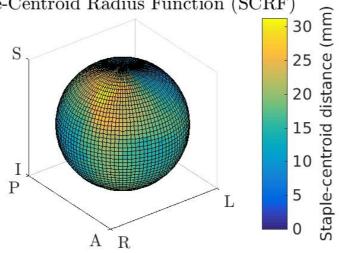




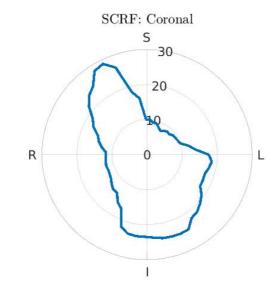
Staple Surface

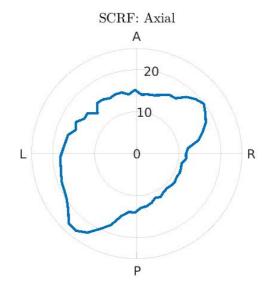


Staple-Centroid Radius Function (SCRF)

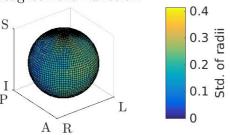


SCRF: Sagittal
S
20
10
A









L: 0.215

R: 0.097

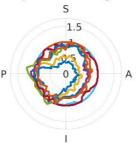
P: 0.089

A: 0.215

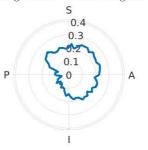
I: 0.165

S: 0.200

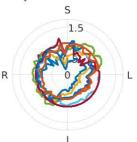
Warped Contours: Sagittal



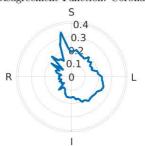
Disagreement Function: Sagittal



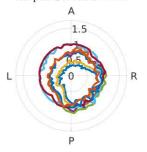
Warped Contours: Coronal

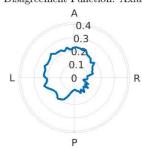


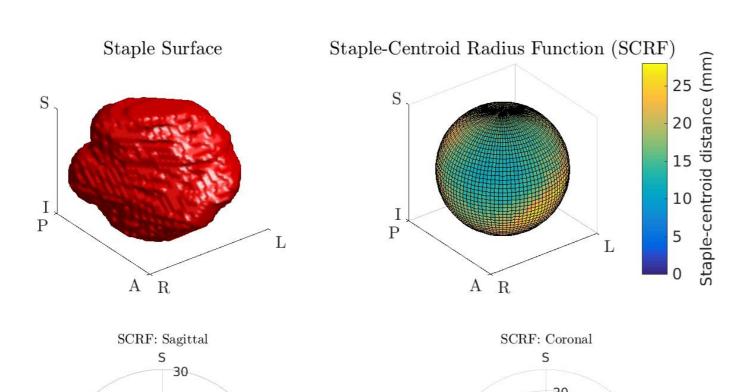
Disagreement Function: Coronal



Warped Contours: Axial

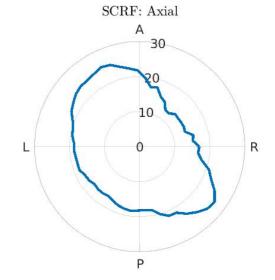




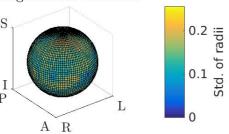


R

10



Disagreement Function



L: 0.087

R: 0.137

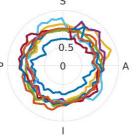
P: 0.113

A: 0.116

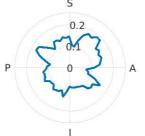
I: 0.101

S: 0.123

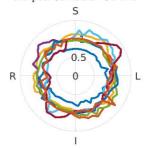
Warped Contours: Sagittal



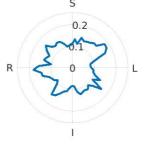
Disagreement Function: Sagittal



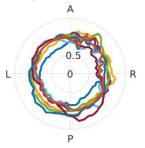
Warped Contours: Coronal



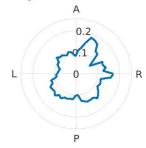
Disagreement Function: Coronal



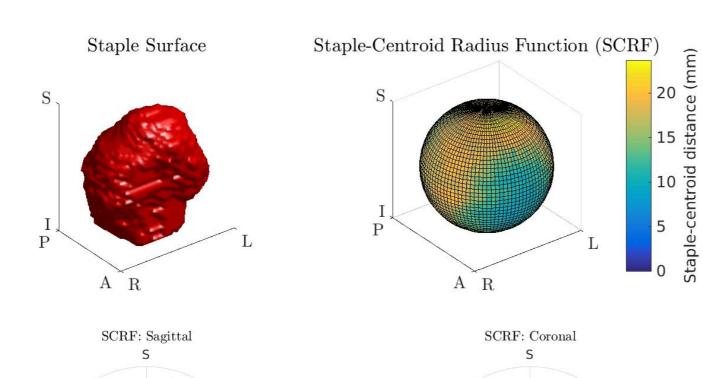
Warped Contours: Axial

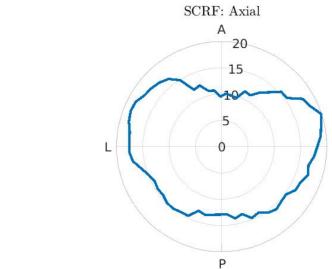


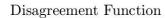
Disagreement Function: Axial

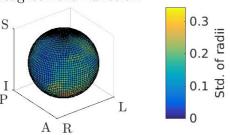


10









L: 0.088

R: 0.085

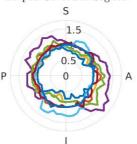
P: 0.091

A: 0.160

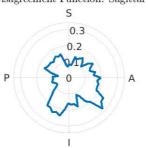
I: 0.180

S: 0.073

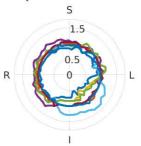
Warped Contours: Sagittal



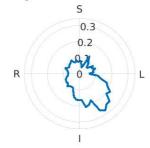
Disagreement Function: Sagittal



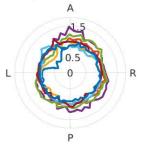
Warped Contours: Coronal



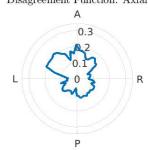
Disagreement Function: Coronal

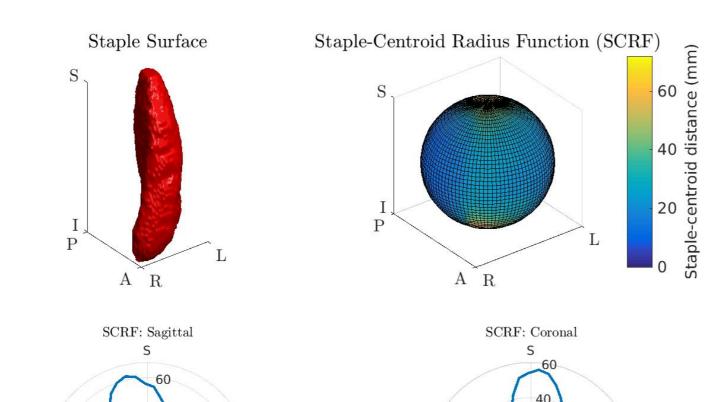


Warped Contours: Axial



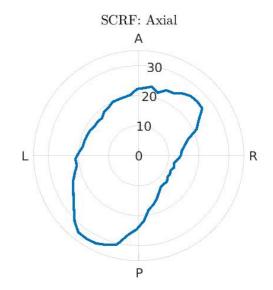
Disagreement Function: Axial



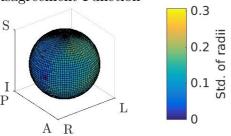


20

20



Disagreement Function



Direction: Average of Disagreement Function

L: 0.154

R: 0.061

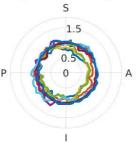
P: 0.103

A: 0.141

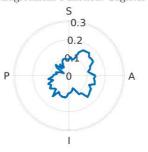
I: 0.096

S: 0.103

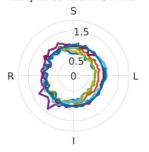
Warped Contours: Sagittal



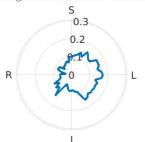
 ${\bf Disagreement\ Function:\ Sagittal}$



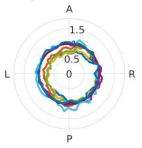
Warped Contours: Coronal



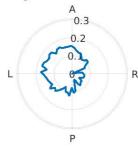
Disagreement Function: Coronal



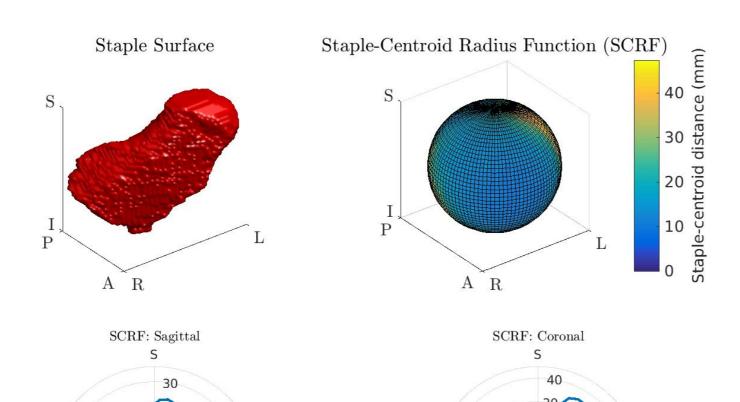
Warped Contours: Axial



Disagreement Function: Axial

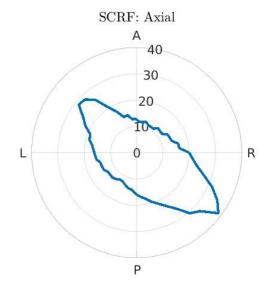


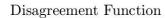
10

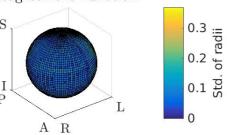


R

10







L: 0.088

R: 0.056

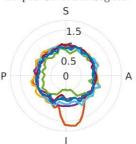
P: 0.094

A: 0.049

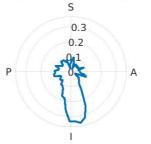
I: 0.287

S: 0.074

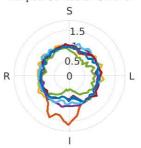
Warped Contours: Sagittal



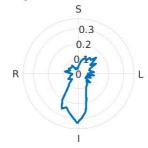
Disagreement Function: Sagittal



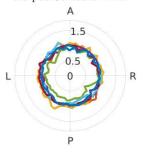
Warped Contours: Coronal

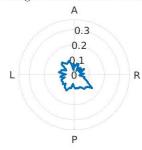


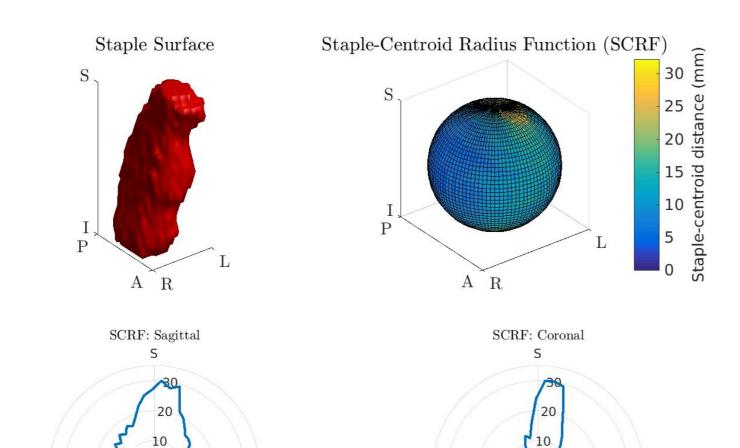
Disagreement Function: Coronal

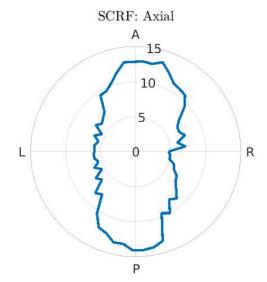


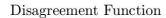
Warped Contours: Axial

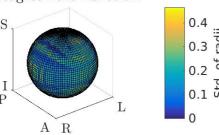












L: 0.131

R: 0.197

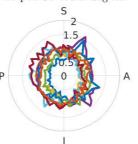
P: 0.228

A: 0.202

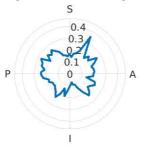
I: 0.132

S: 0.157

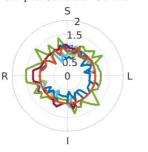
Warped Contours: Sagittal



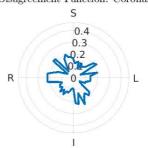
Disagreement Function: Sagittal



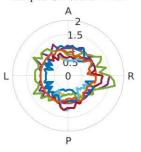
Warped Contours: Coronal

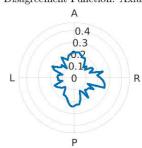


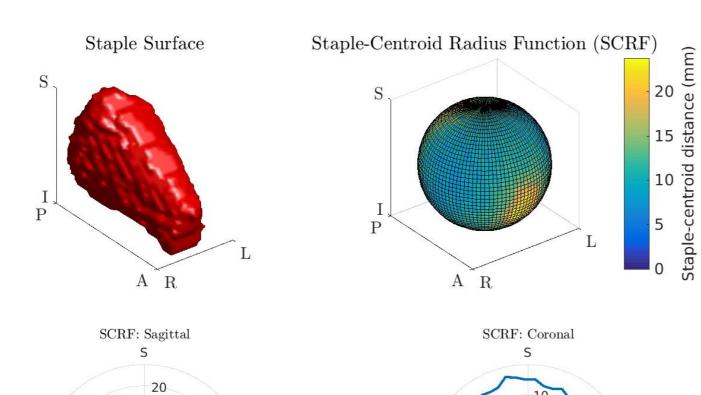
Disagreement Function: Coronal

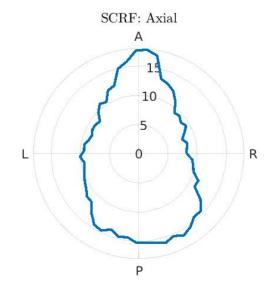


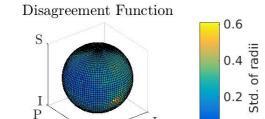
Warped Contours: Axial

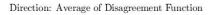












A R

L: 0.249

 $R{:}\ 0.135$

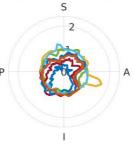
P: 0.185

A: 0.254

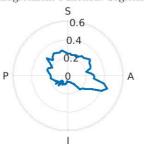
I: 0.077

S: 0.272

Warped Contours: Sagittal



Disagreement Function: Sagittal



Warped Contours: Coronal



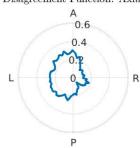
Disagreement Function: Coronal

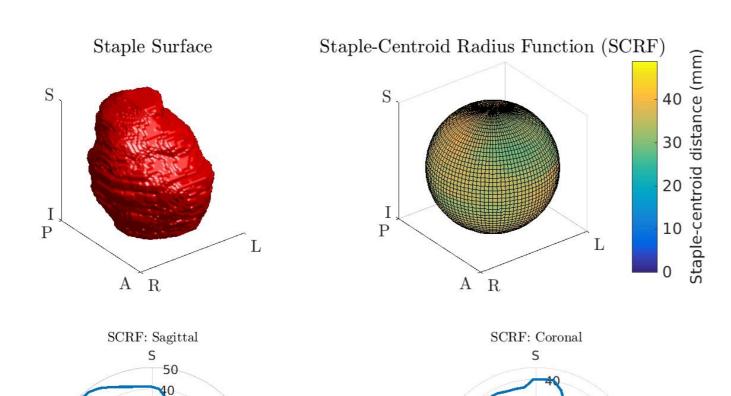


Warped Contours: Axial

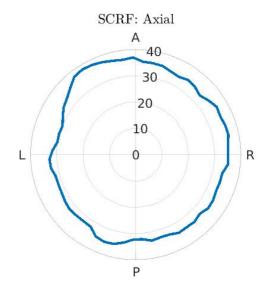


Disagreement Function: Axial

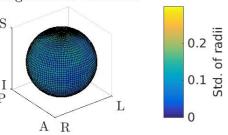




R



Disagreement Function



L: 0.107

 $R{:}\ 0.105$

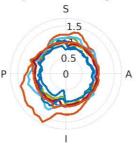
P: 0.136

A: 0.073

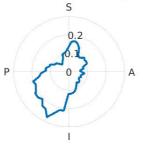
I: 0.154

S: 0.164

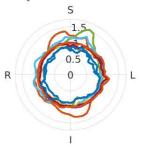
Warped Contours: Sagittal



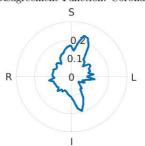
Disagreement Function: Sagittal



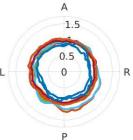
Warped Contours: Coronal

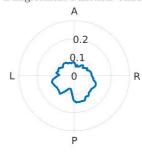


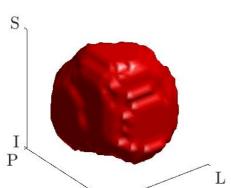
Disagreement Function: Coronal



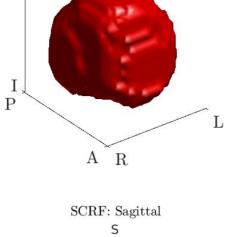
Warped Contours: Axial

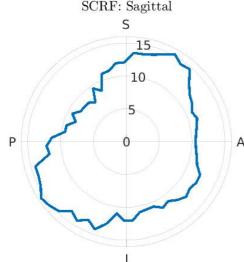


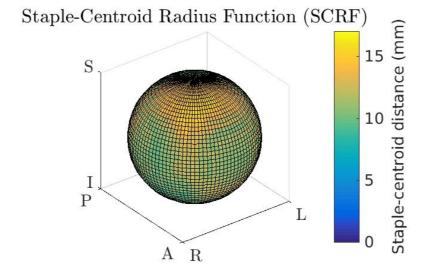


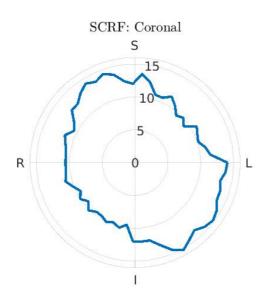


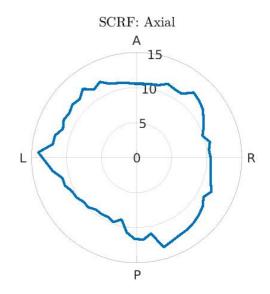
Staple Surface



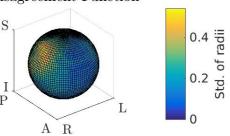








Disagreement Function



Direction: Average of Disagreement Function

L: 0.165

R: 0.285

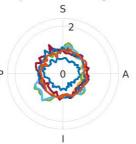
P: 0.097

A: 0.113

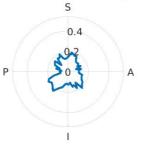
I: 0.118

S: 0.167

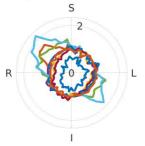
Warped Contours: Sagittal



Disagreement Function: Sagittal



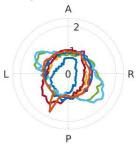
Warped Contours: Coronal



Disagreement Function: Coronal



Warped Contours: Axial



Disagreement Function: Axial

