

Data Structure

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c1 : all c1

c1_working_plane : c1 at working plane

c1_working_plane_mask : spheroid mask of c1 at working plane

c1_working_plane_normalized : normalized c1

c1_working_plane_shell : shells of c1

Step 1: Compute bottom/working plane

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S0_bottom_plane_computation.m

All c1 at working plane are saved in \c1_working_plane.

Step 2: Spheroid segmentation

Open source code (Python)

https://github.com/matterport/Mask_RCNN

All spheroid mask of c1 are saved in \c1_working_plane_mask.

Step 3: Normalization and shell extraction

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S1_shell_extraction.m