

Workflow idea 5

Surface roughness of 3D interior regions

Workflow Idea 5: Surface roughness of 3D interior regions





Goal: Perform internal surface roughness measurement of a 3D dataset generated by a Versa X-ray microscopy (similar to computed tomography technique).

In order to obtain 3D printed parts with desired properties and biocompatibility, it is important to have a method to measure surface roughness on the interior of the part.

Recommended workflow:

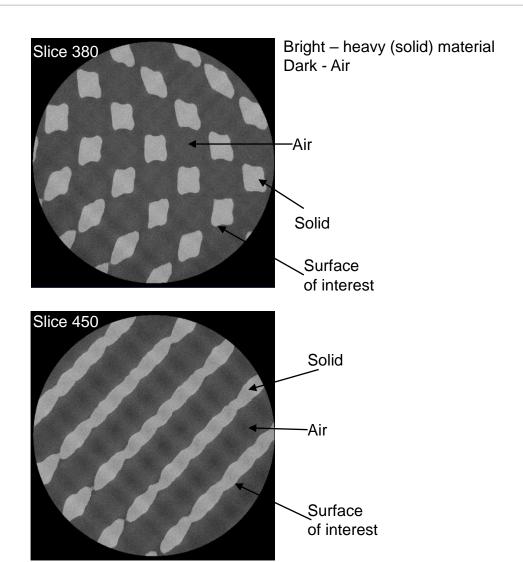
Develop algorithm to report interior surface roughness of 3D structures.

Expected difficulty level: ??

Expected challenge(s):??

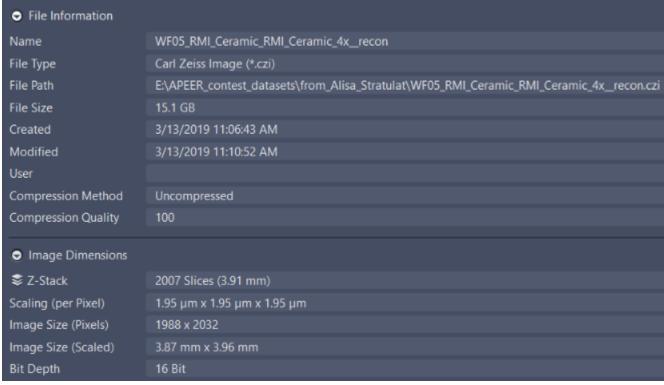
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Dataset / image information:

File name(s): WF05_RMI_Ceramic_RMI_Ceramic_4x___recon.czi



Note: The image is in .czi format. Please read the last page of this document for instructions on how to read czi files.