

Assignment 9

063-0610-00L The Digital in Architecture I

Spring Semester 2020

Gramazio Kohler Research, ETH Zürich

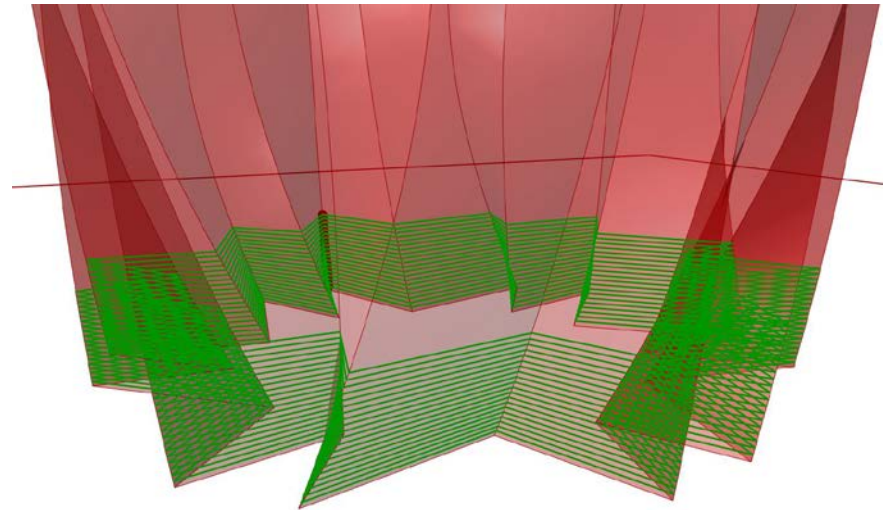
Due: Mo, 04.05.2020 23:59

Task 1

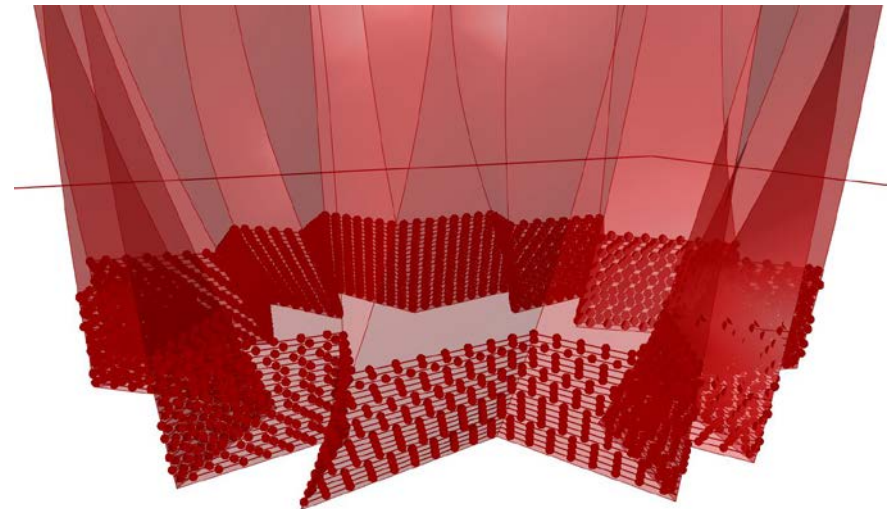
Use the given **Ex9_SlicerExample.gh** and replace the Brep (geometry) Input with your own surface, beware that it needs to be a single shell per slice.

Submit two screen captures (one showing the curve, one showing the points). Put them in a pdf and submit with name ([Assignment9_Mustermann_Chris.pdf](#))

From Surface to Curves



From Curves to Point



Task 2 (Bonus)

1. Make 2 shells per layer (by offset inward)
2. How to submit:
 - Make sure the printing order is correct
 - For every layer, first print inner shell and then outer shell. Before moving to next layer
 - Add to the pdf how you did the algorithm:
 - grasshopper script screenshot (showing where you modified)
 - any necessary explanation (explanation text)
 - a screenshot showing the sliced layer curves.
 - Submit also the grasshopper file, name it:
 - (Assignment9_Mustermann_Chris.gh)

To submit:

- (1x) **.pdf**. Rename your pdf file to include your surname and name: (Assignment9_Mustermann_Chris.pdf)

To create the screenshots of your design, follow this settings:

- In Rhino: change the **background to white with no Grid**. Use **ViewCaptureToFile** command to make the screenshot, set width=3000 and height=1500. Use white Background and Save as ***.png**.

- a Grasshopper file (*.gh) with your modified code – **the code for each task must be grouped and labeled**. Rename your file to include your surname and name. (Assignment8_Mustermann_Chris.gh)

IMPORTANT

Do not submit the Rhino (*.3dm) file.

Do not submit multiple copies

Do not submit .zip files

Strictly stick to the file-naming convention!