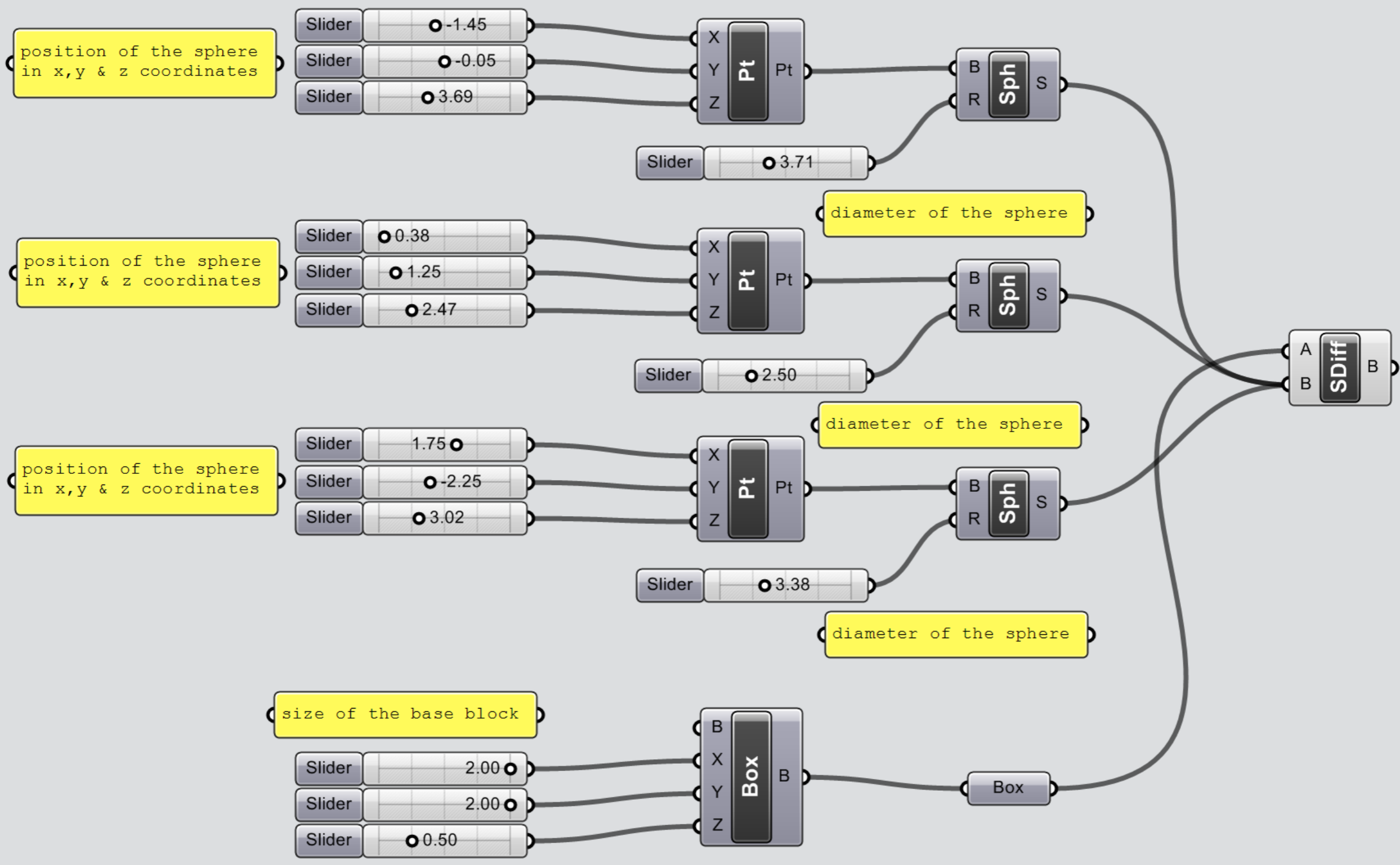
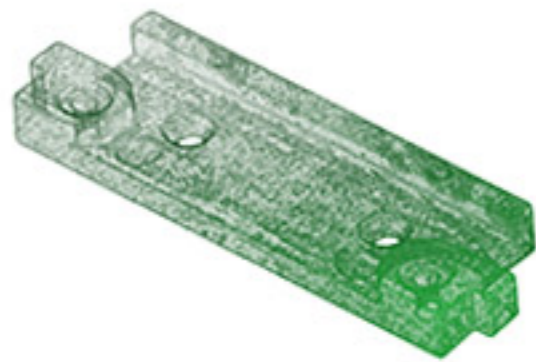


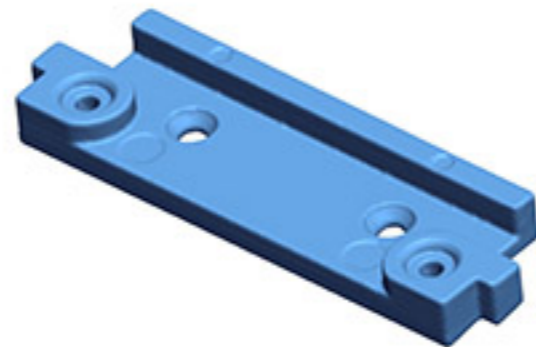
Grasshopper workshop  
Április 9-től



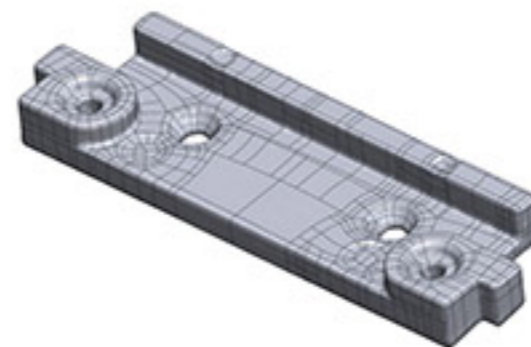
Nurbs vs polygon



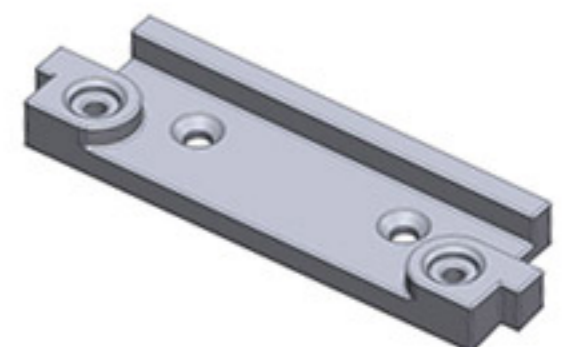
**Point Cloud**



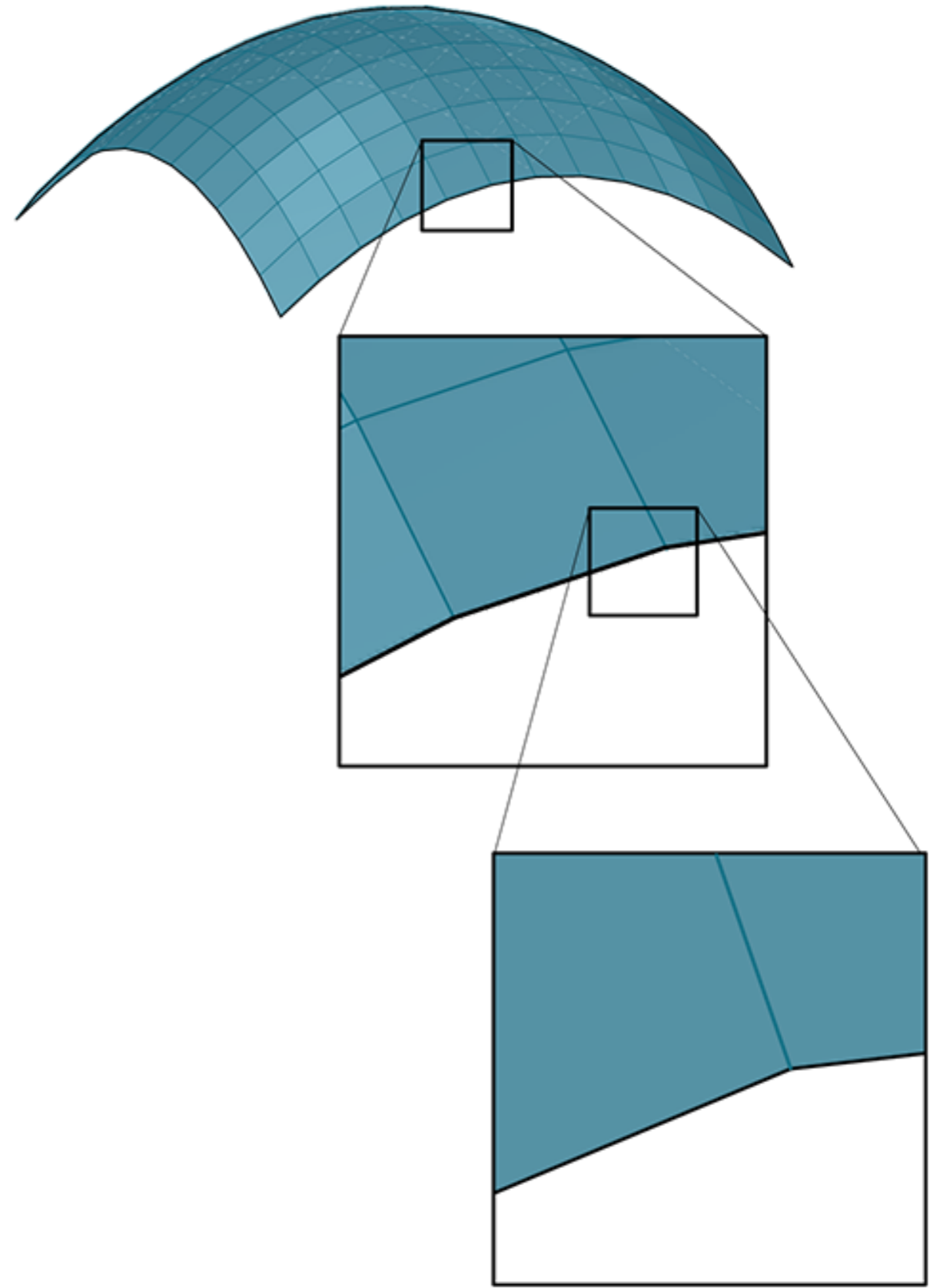
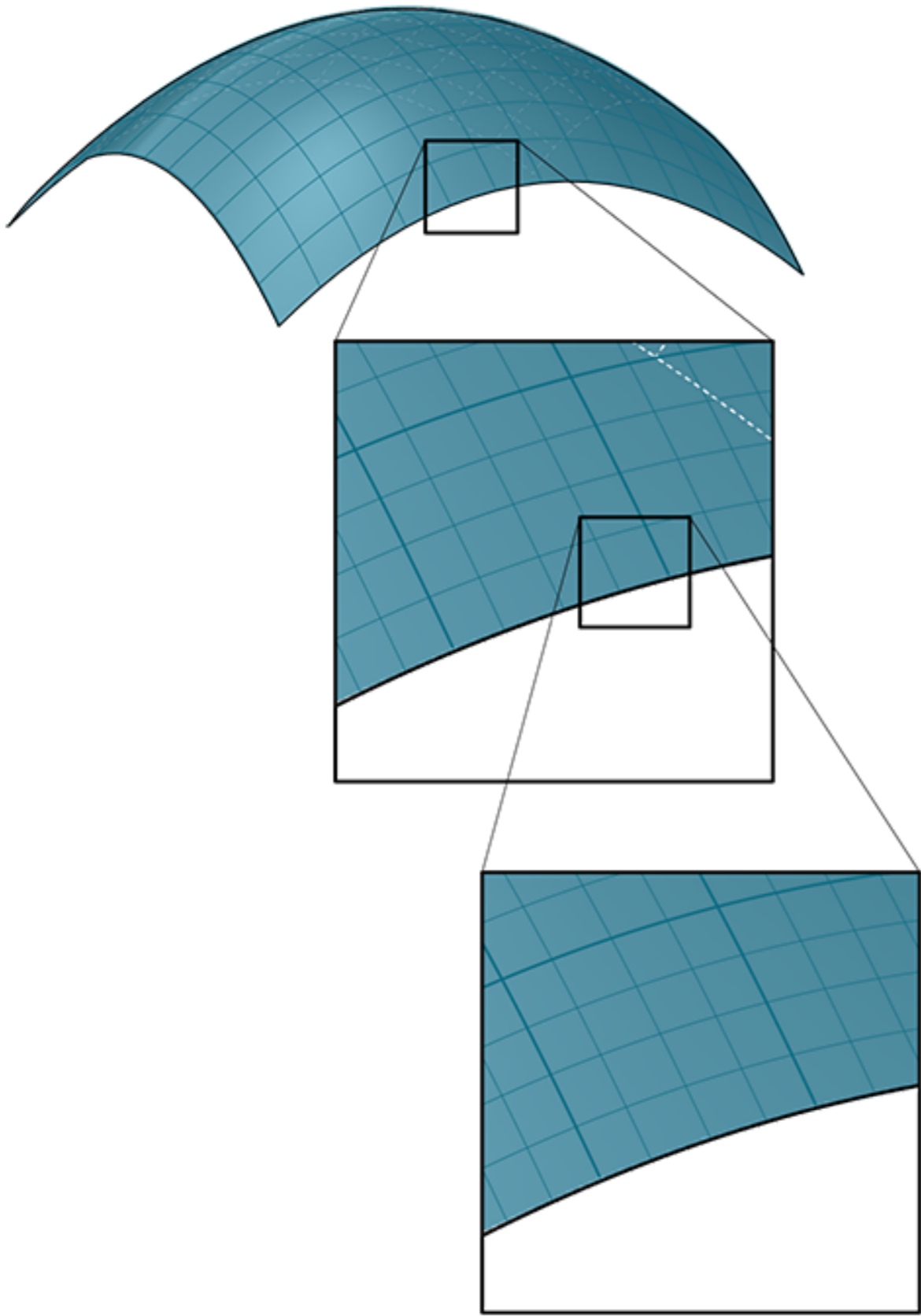
**Mesh**

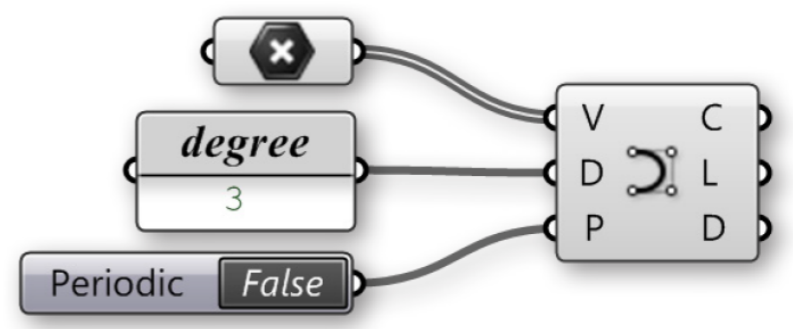
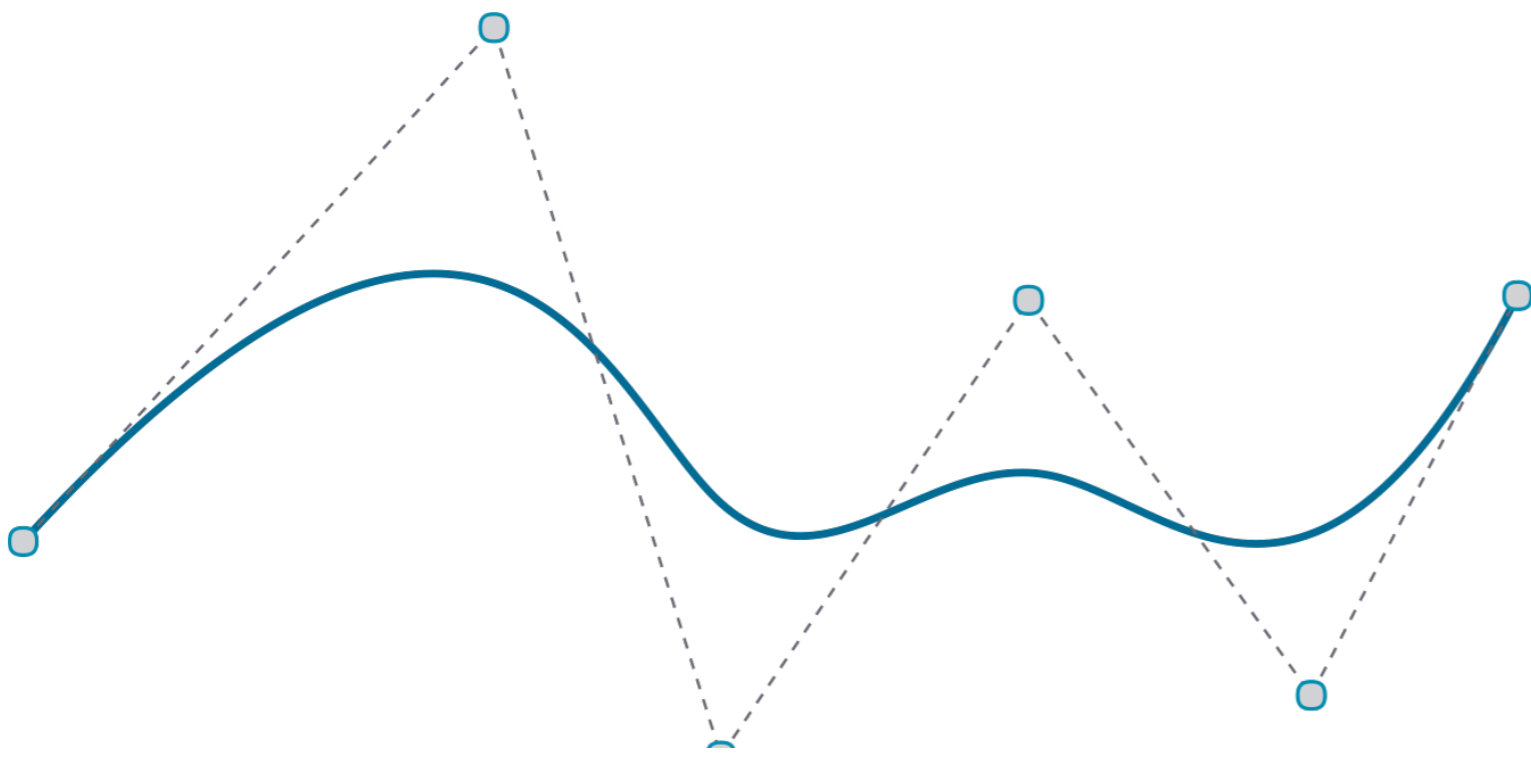


**NURBS**

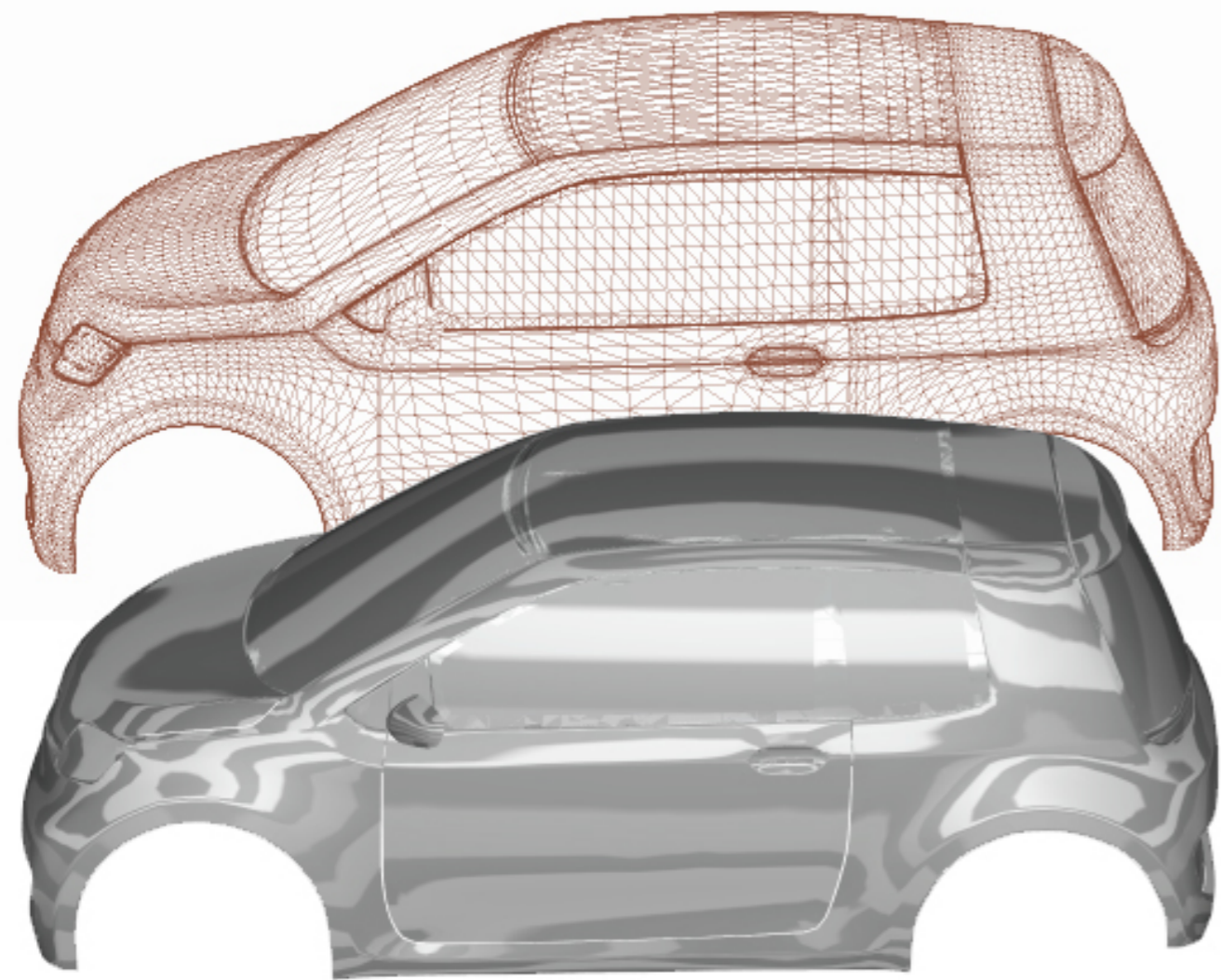


**Parametric**



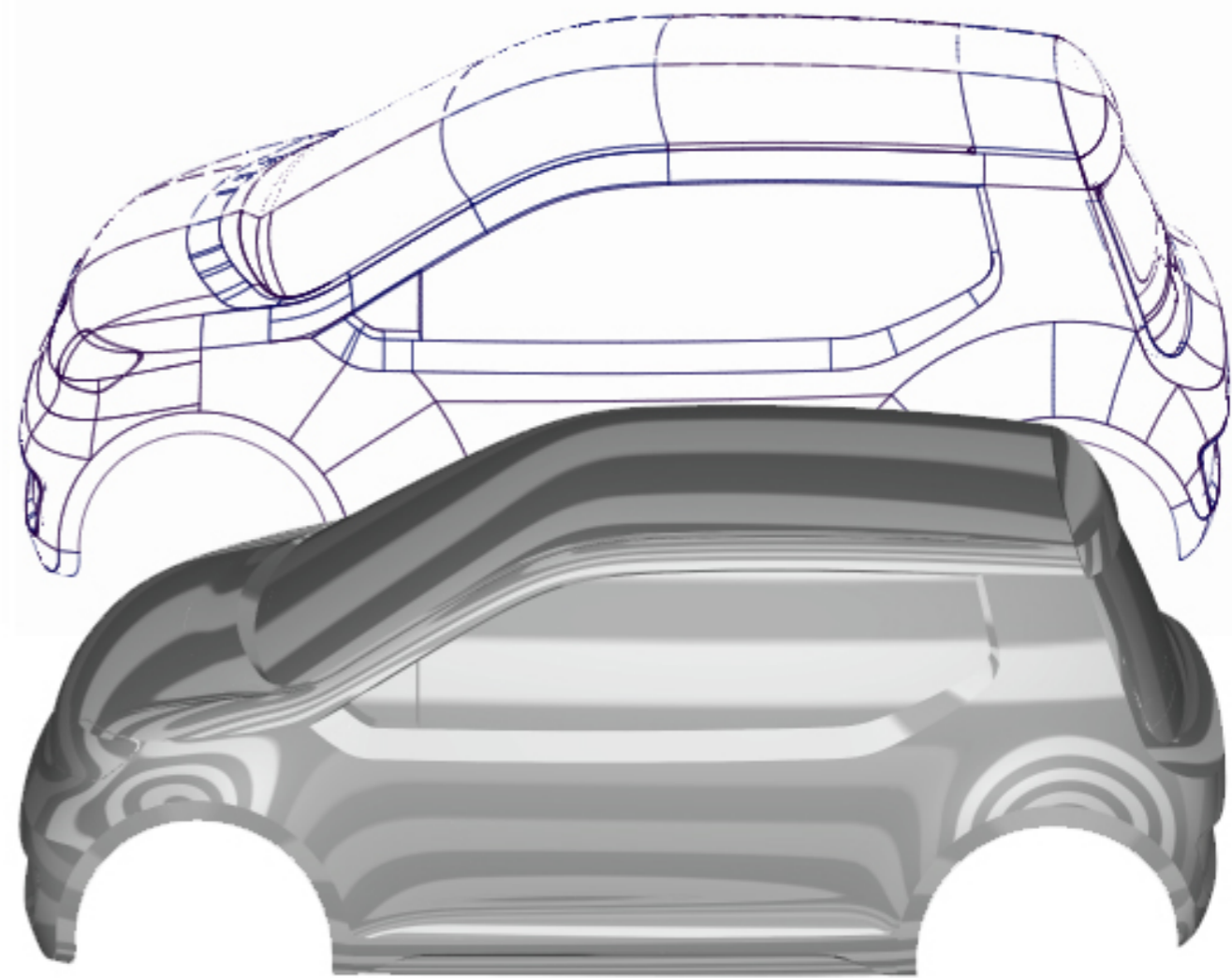


*Polygon Model*



*Poor surface quality*

*NURBS model*

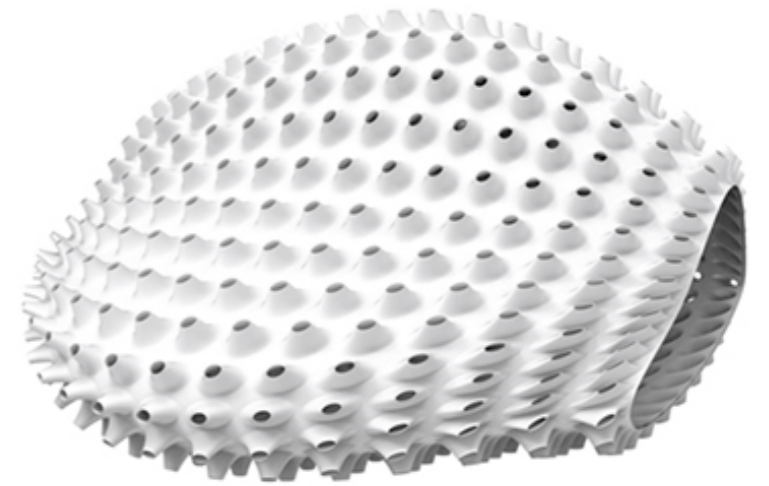
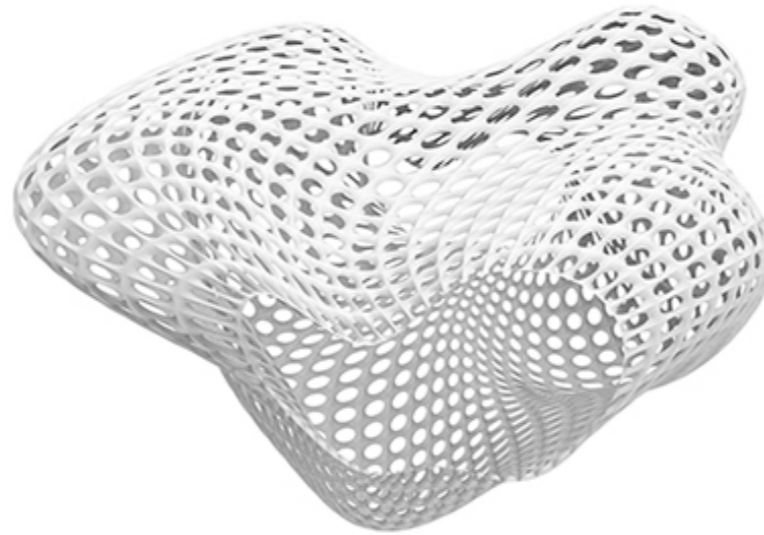
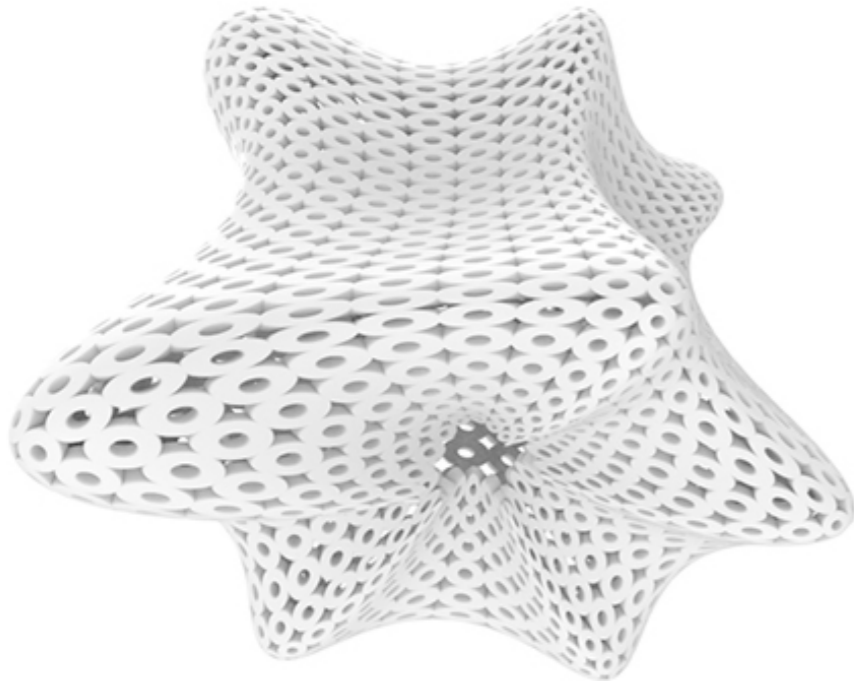
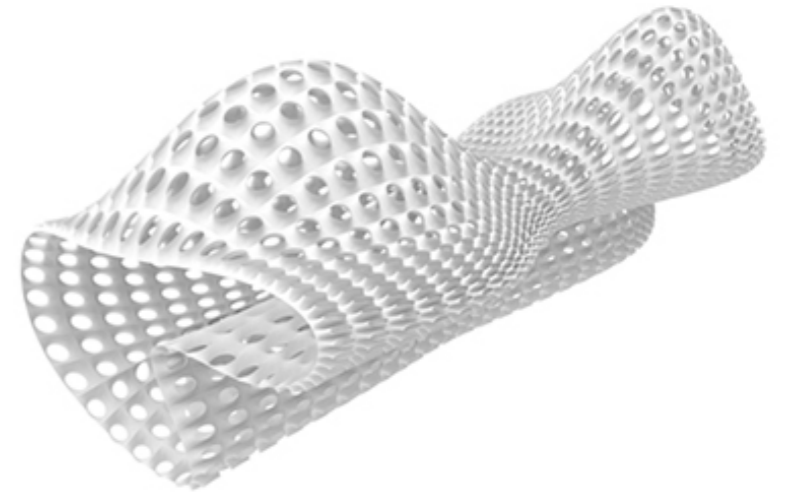
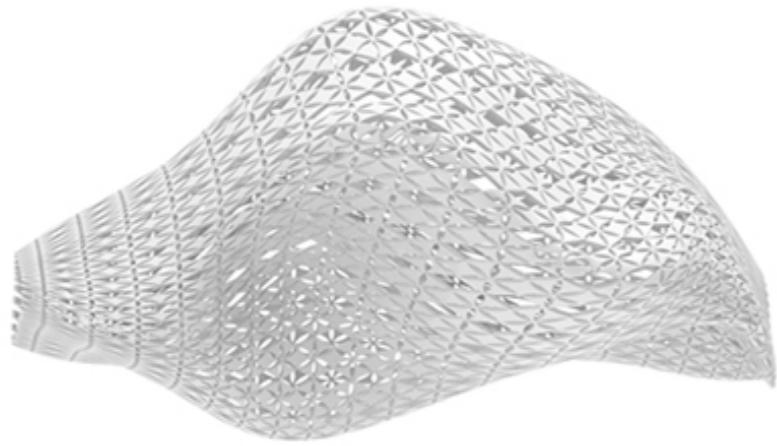


*Pure, smooth highlights*

Generative design

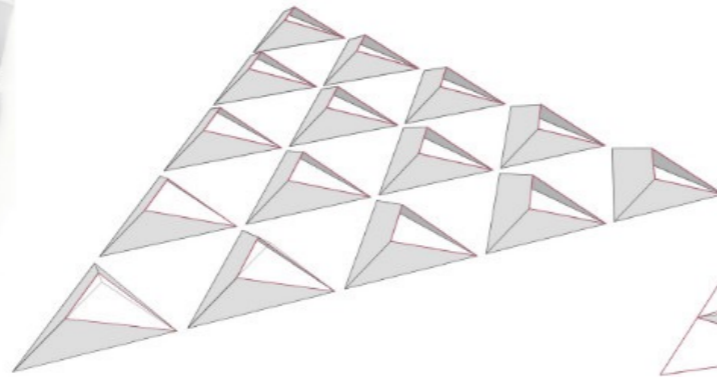




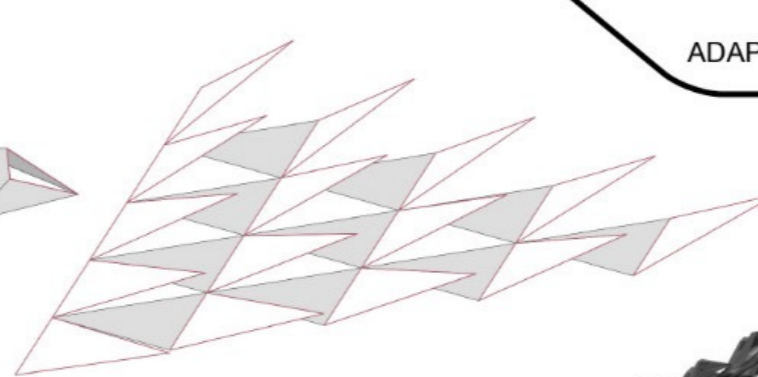




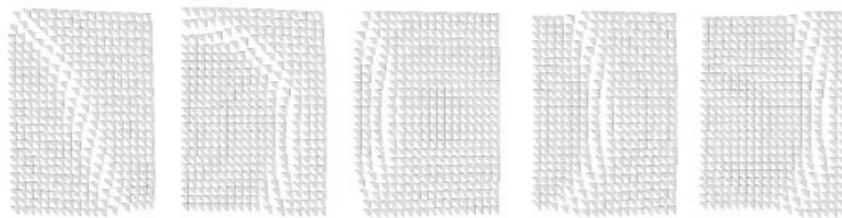
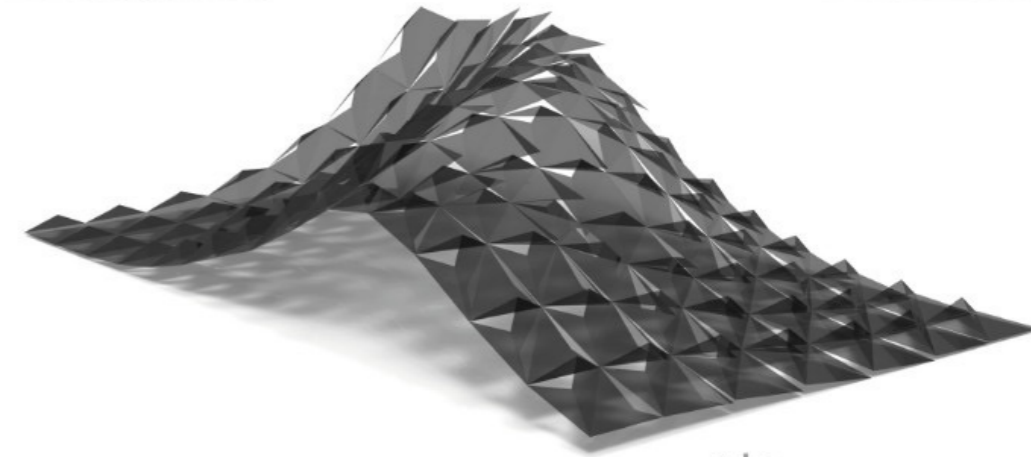
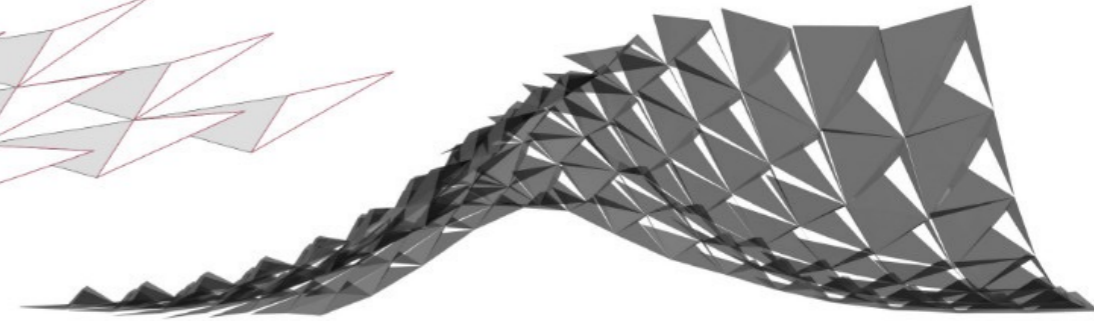
DETAIL OF SHADING LOUVRES



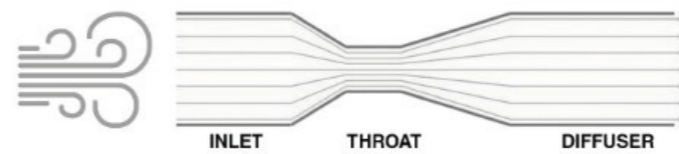
ADAPTIVE SUN SHADINGS



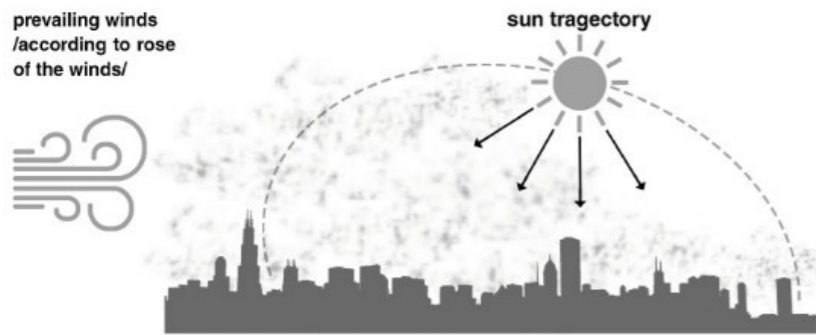
ADAPTIVE WIND DEFLECTORS  
receptor



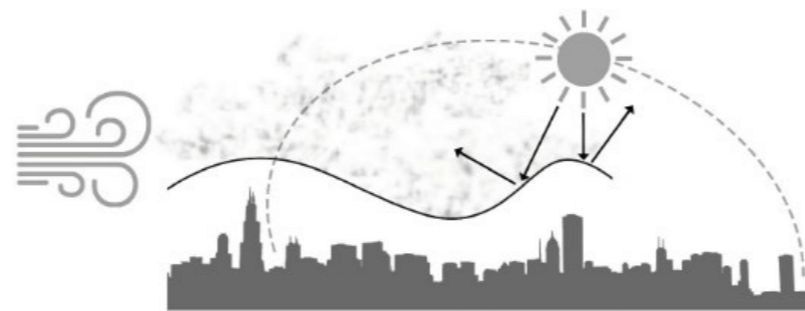
TOP VIEW - ATTRACTOR INFLUENCE



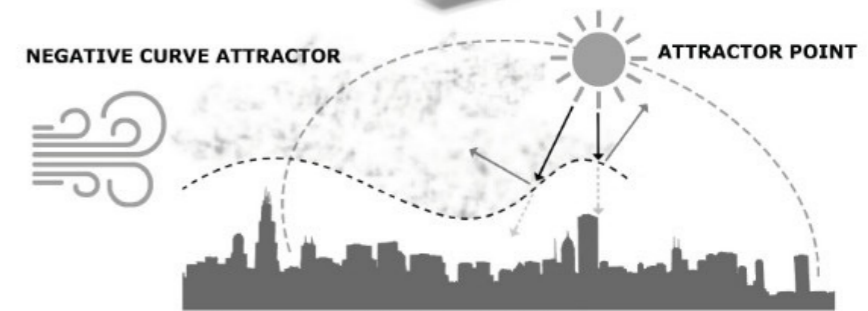
THE VENTURI EFFECT  
the wind faces a barrier and slows  
its speed and the dust masses it carries  
are stopped from entering the city



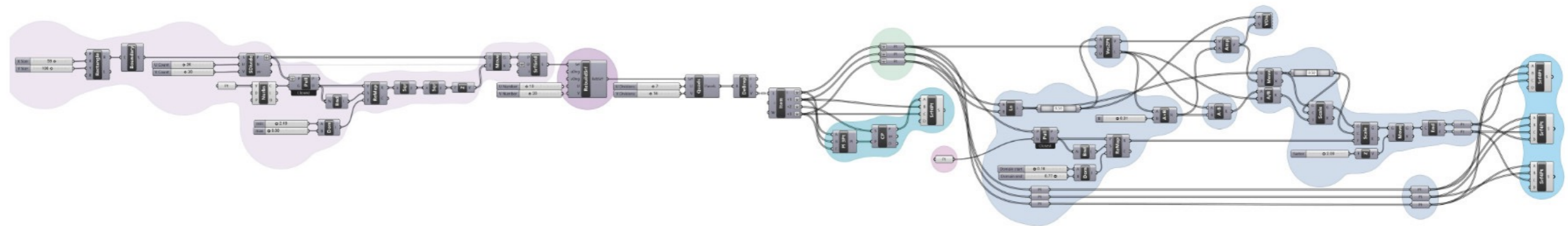
EXISTING SITUATION SAND STORM/  
EXCESSIVE SUN LIGHT

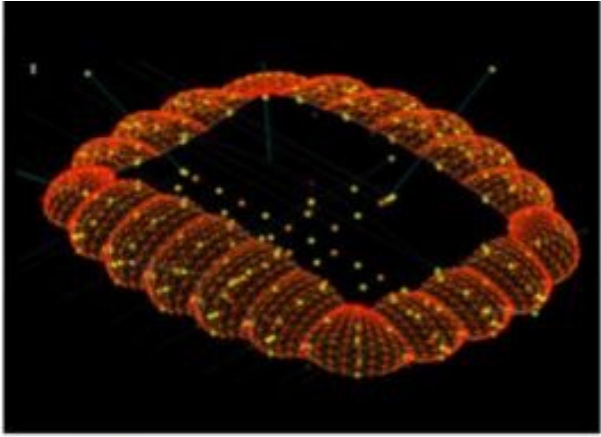


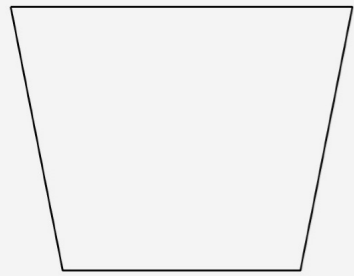
METABOLIC SHELL - RESEARCH OF SURFACE STRUCTURE  
AND OPENINGS



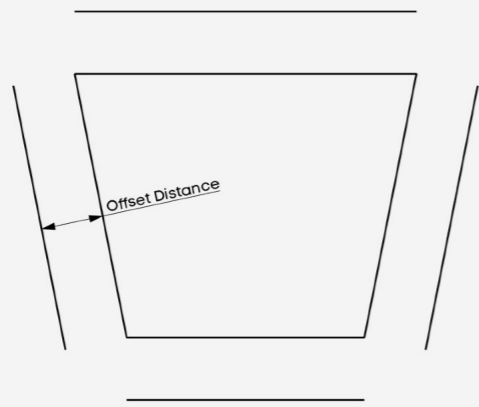
ADAPTIVE METABOLIC SHELL / AMS /  
SUN SHADING AND TRANSPARENCY / WIND DEFLECTOR



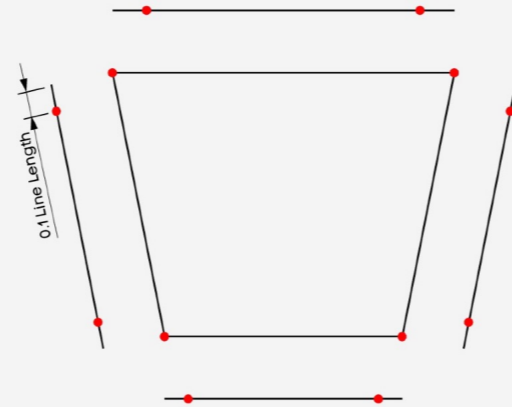




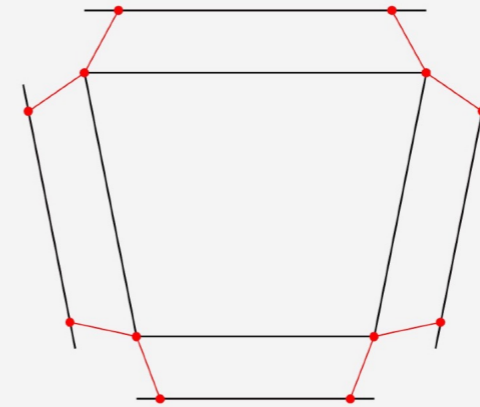
A. Quad panel



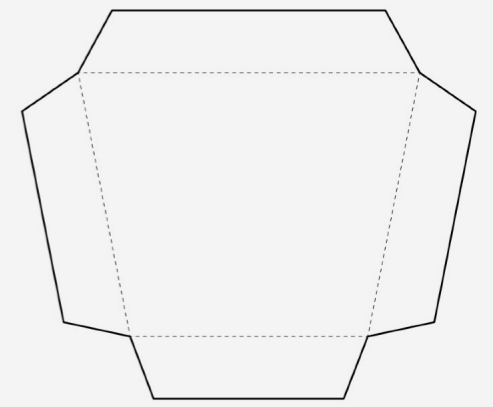
B. Offset edges will dictate tab width.



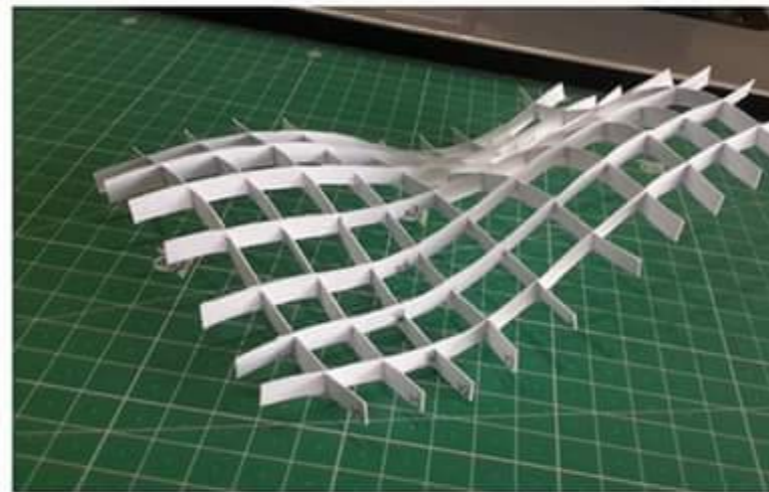
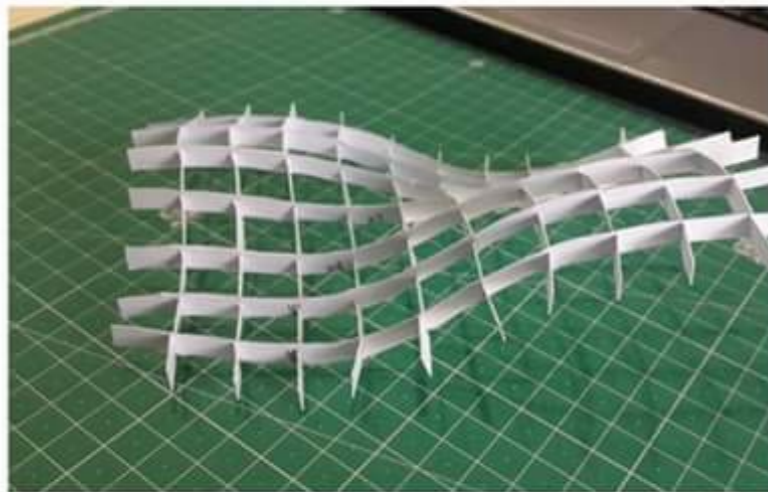
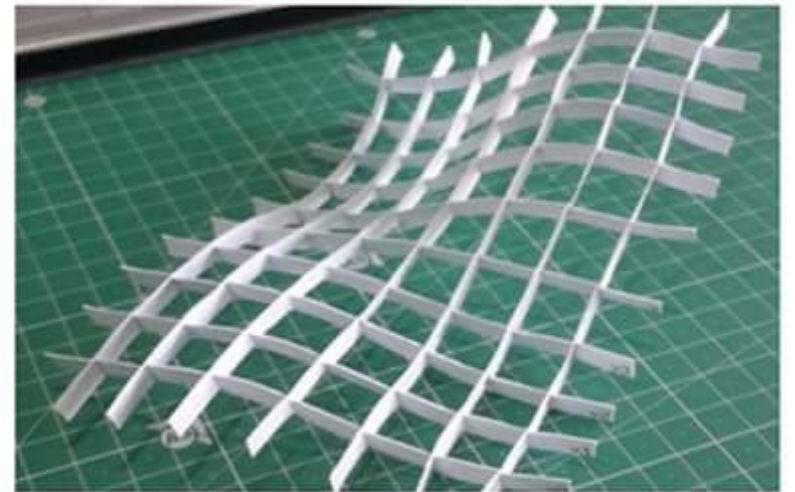
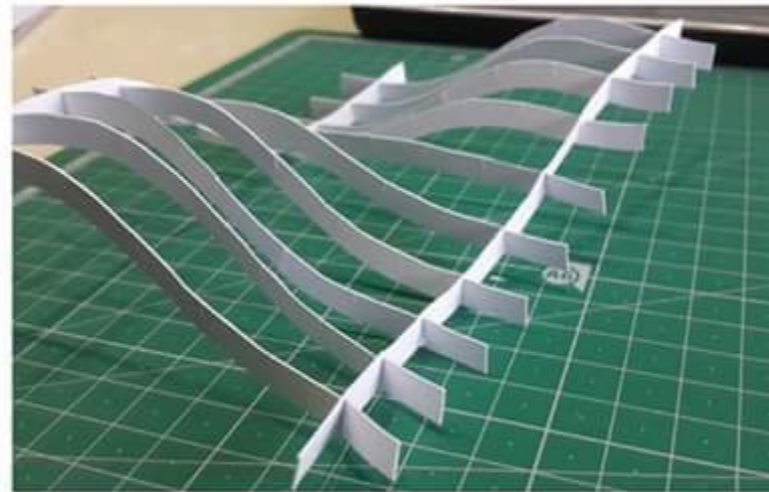
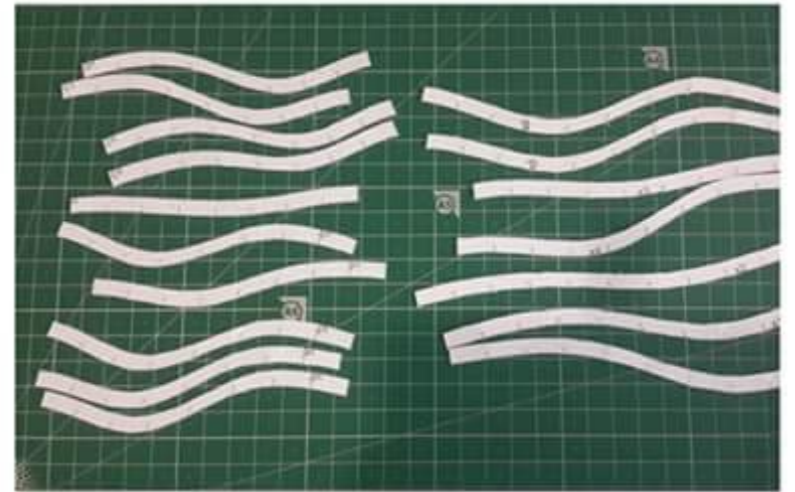
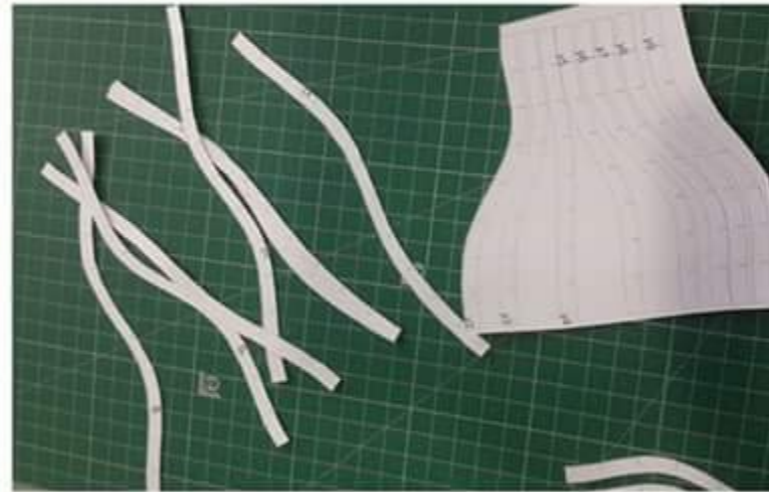
C. The edge of the tabs can be inset for folding by selecting points along the offset curve



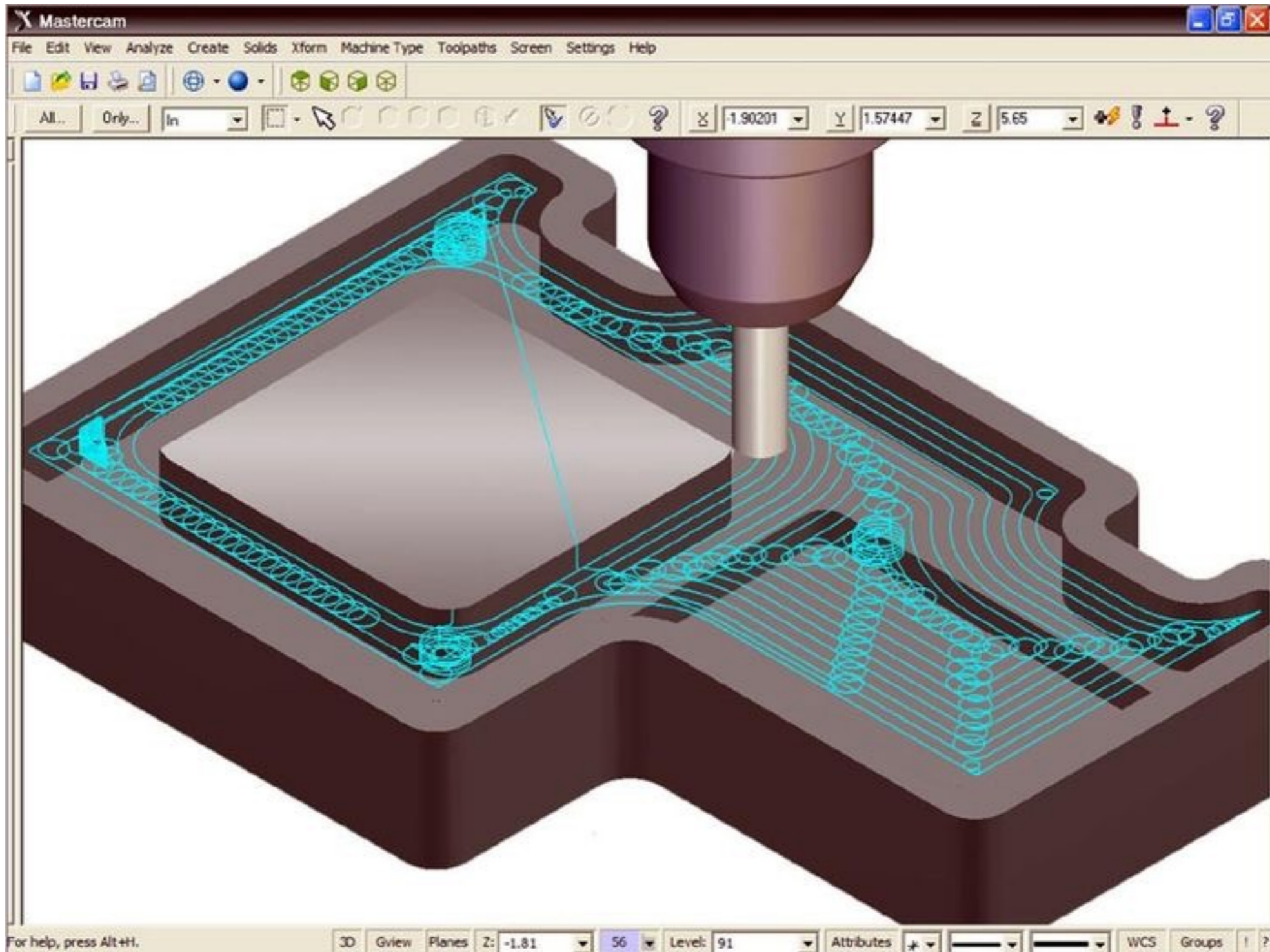
D. Connect the points along the offset lines with the vertices of the original quad to finish tabs



E. Final panel with tabs and dashed lines for folding



PARAMETRIC CURIOSITY  
FABRICATION PROCESS WAFFLE STRUCTURE



Grasshopper workshop  
Április 9-től