



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA
CAMPUS DI CESENA

94160 - AFPG - **LABORATORIO DI DISEGNO GENERATIVO DELLA FORMA TRAMITE ALGORITMI PARAMETRICI**



Prof. Nicolas Turchi

a.a. 2025-2026



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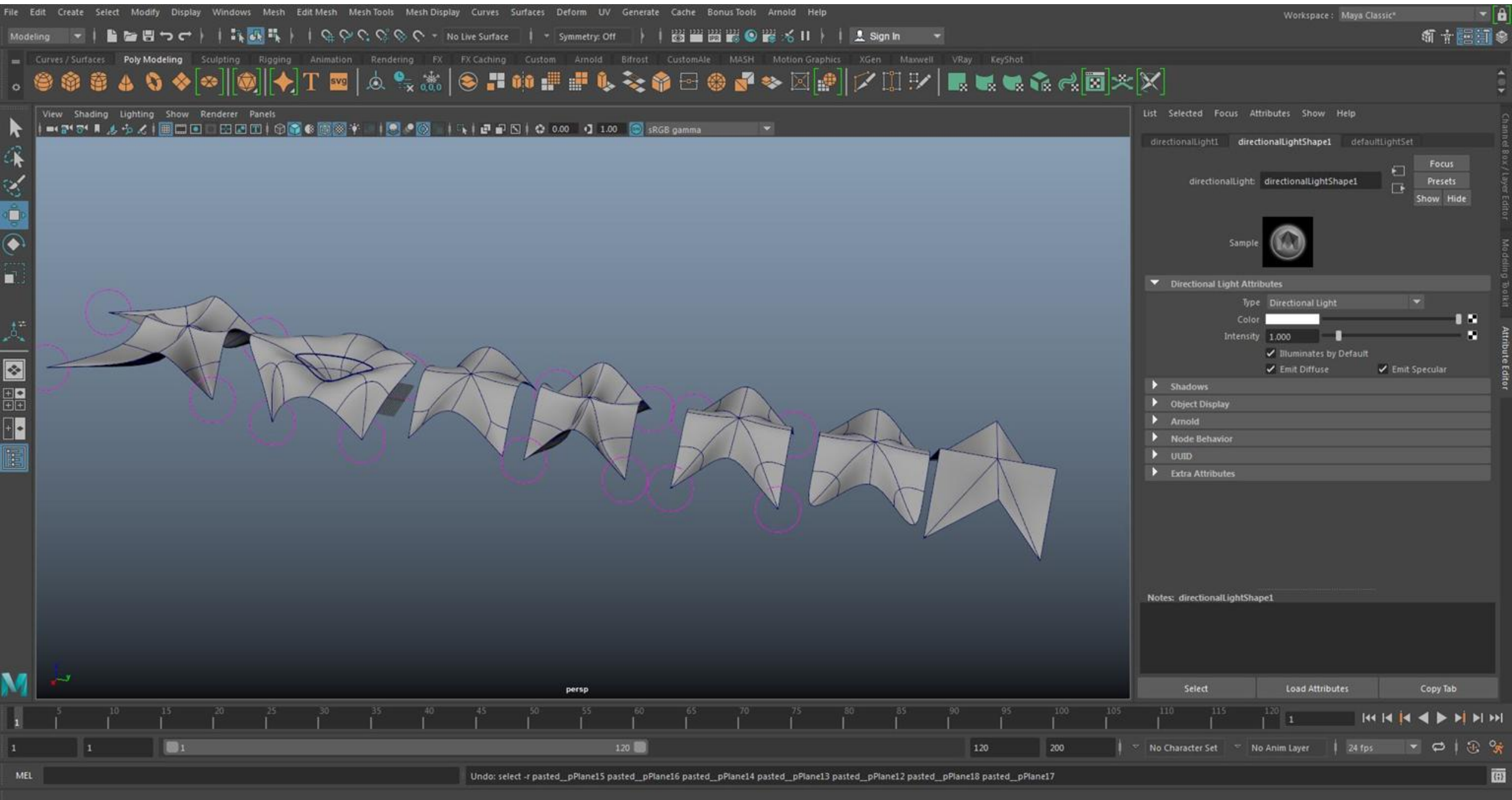


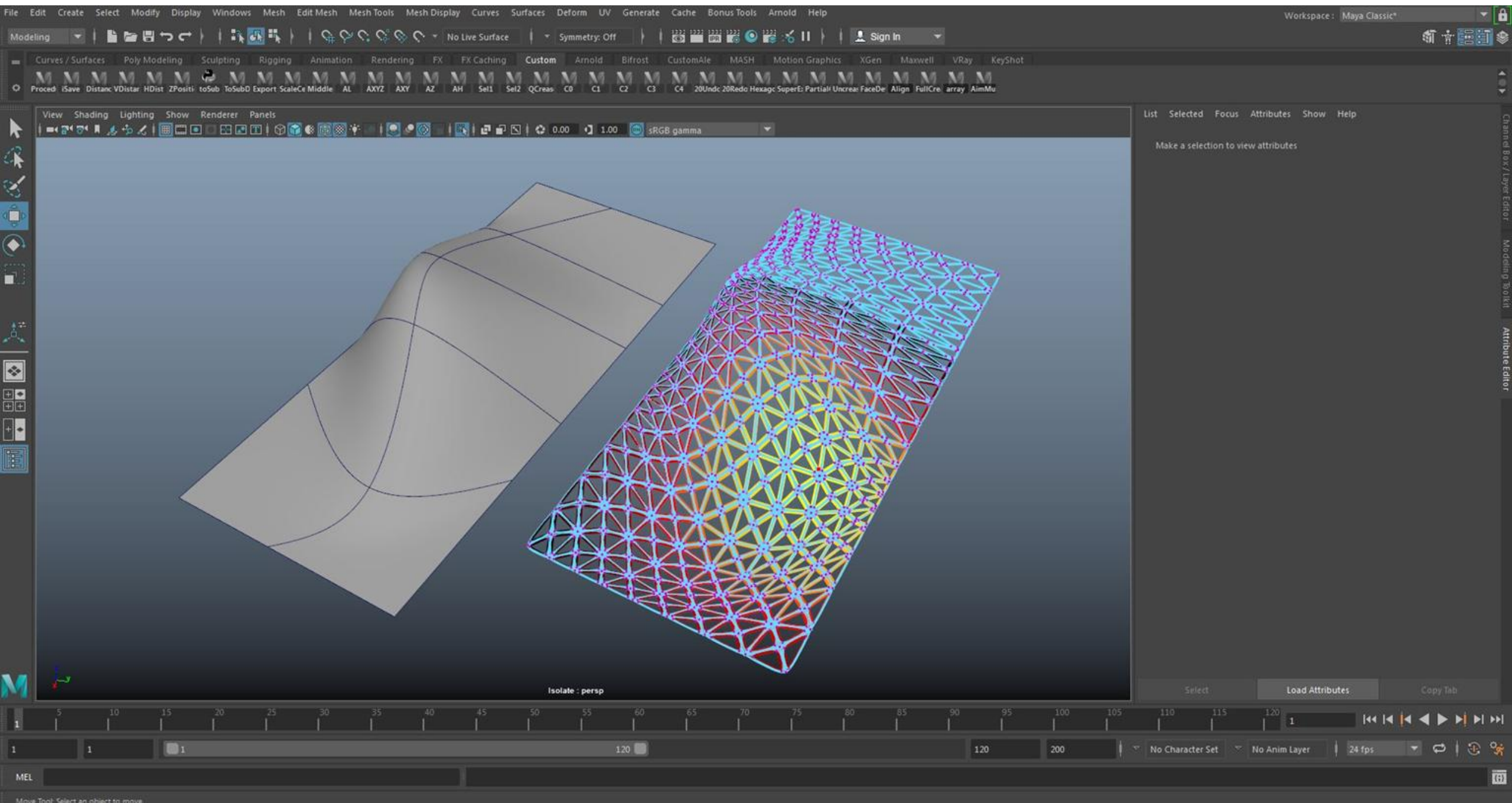






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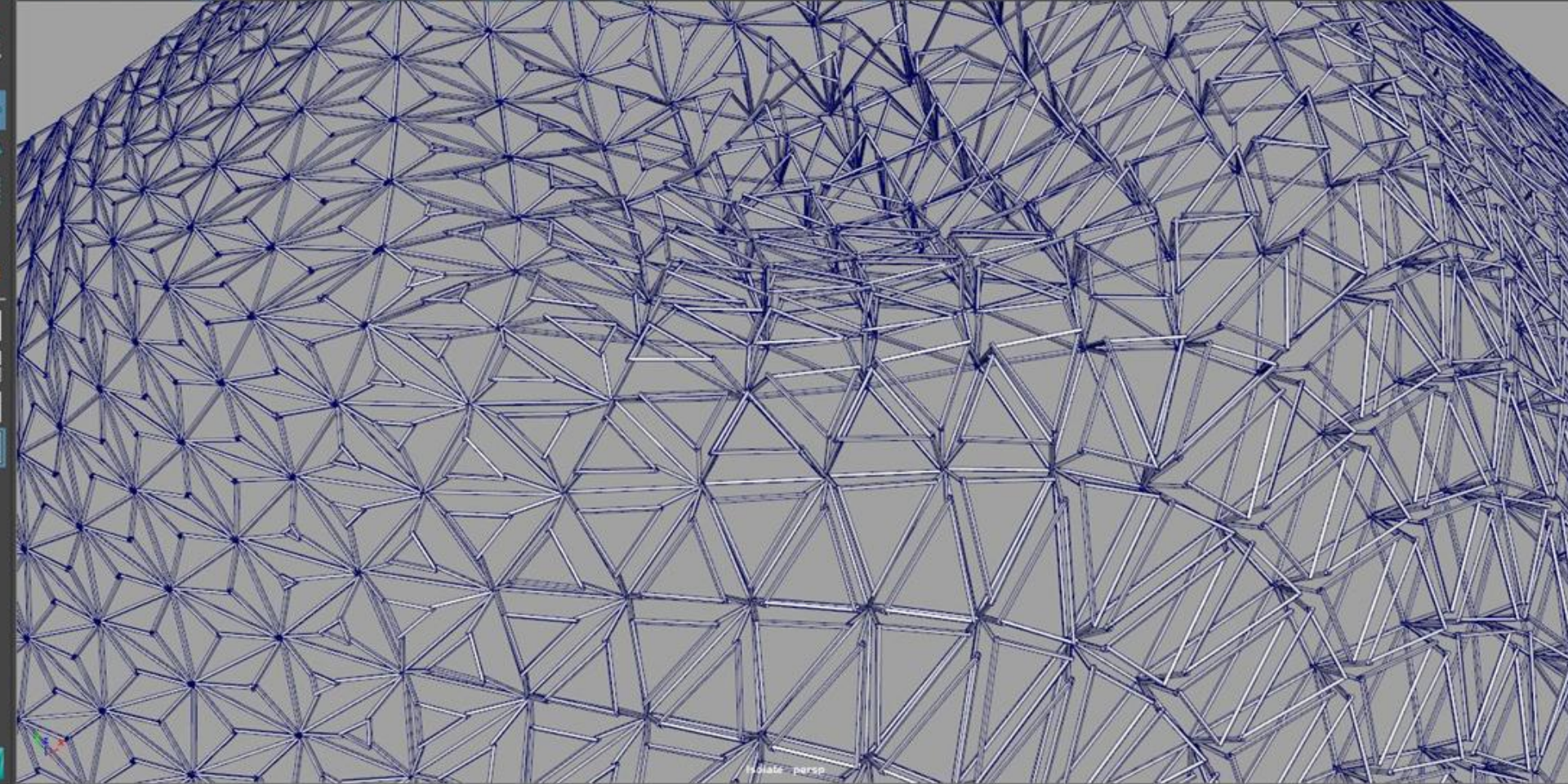




Curves / Surfaces Poly Modeling Sculpting Rigging Animation Rendering FX FX Caching Custom Arnold Bifrost CustomAle MASH Motion Graphics XGen Maxwell VRay KeyShot



View Shading Lighting Show Render Panels

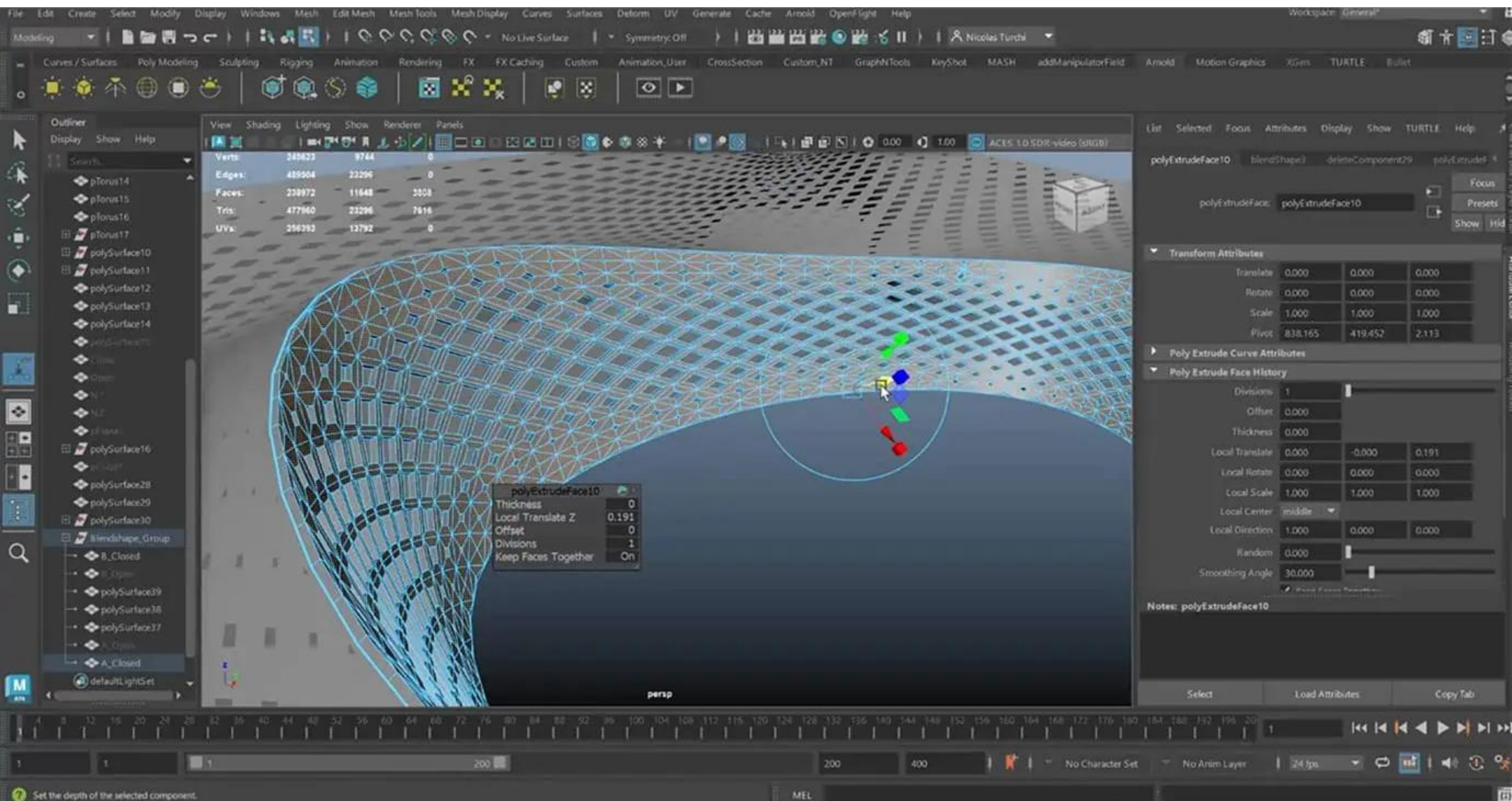


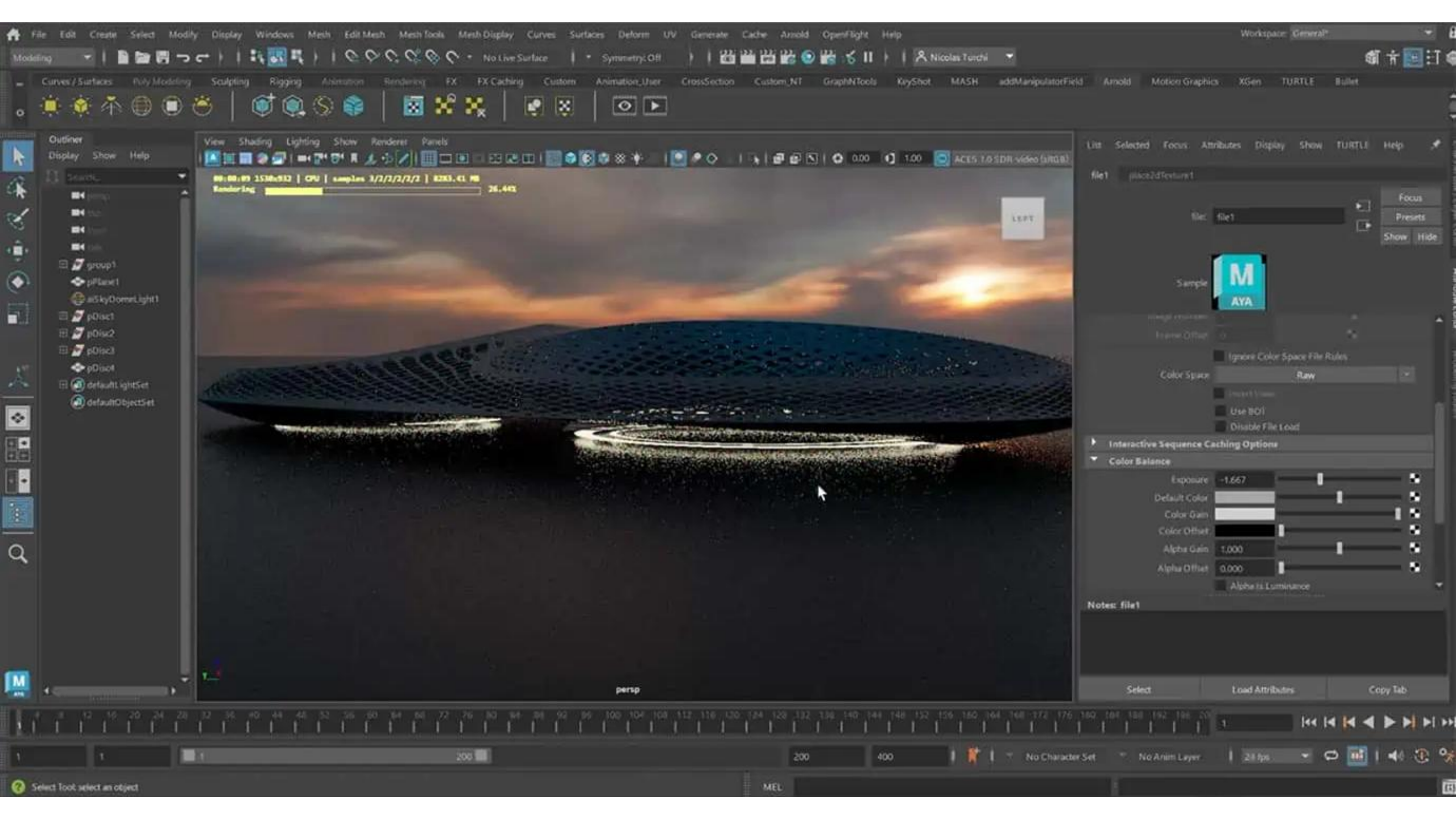
List Selected Focus Attributes Show Help

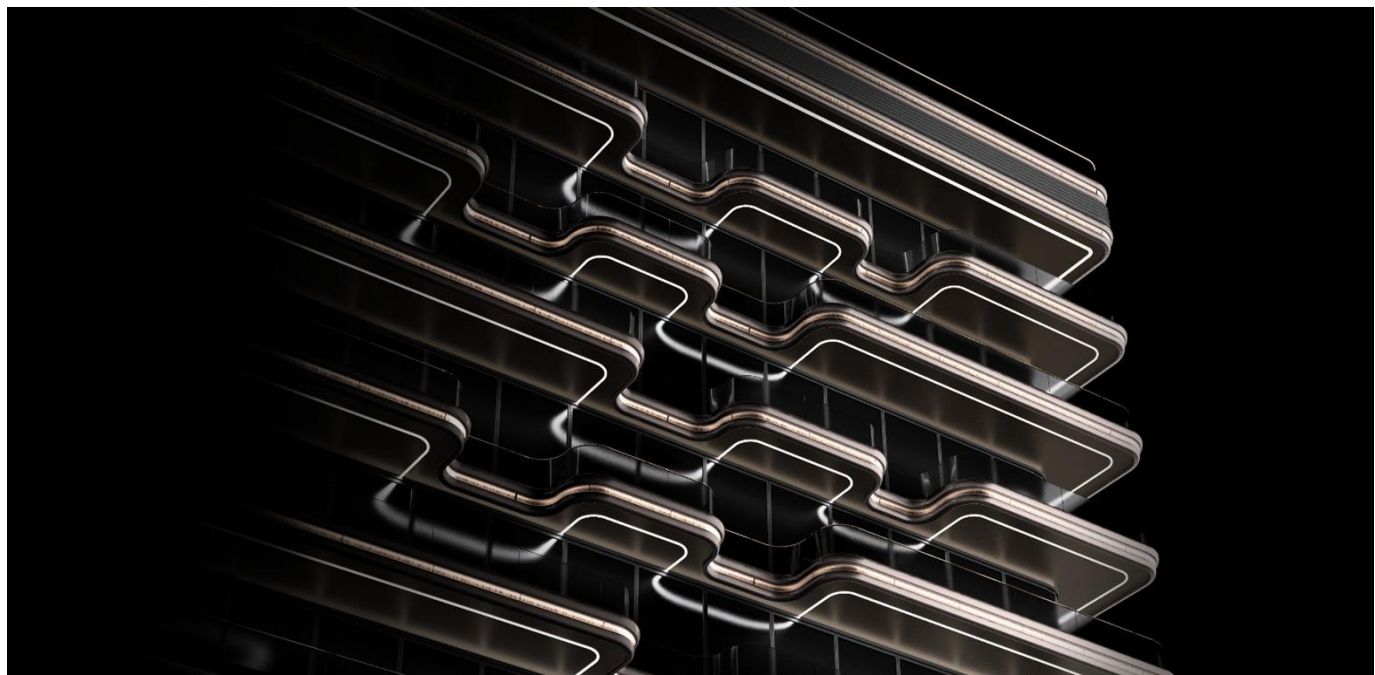
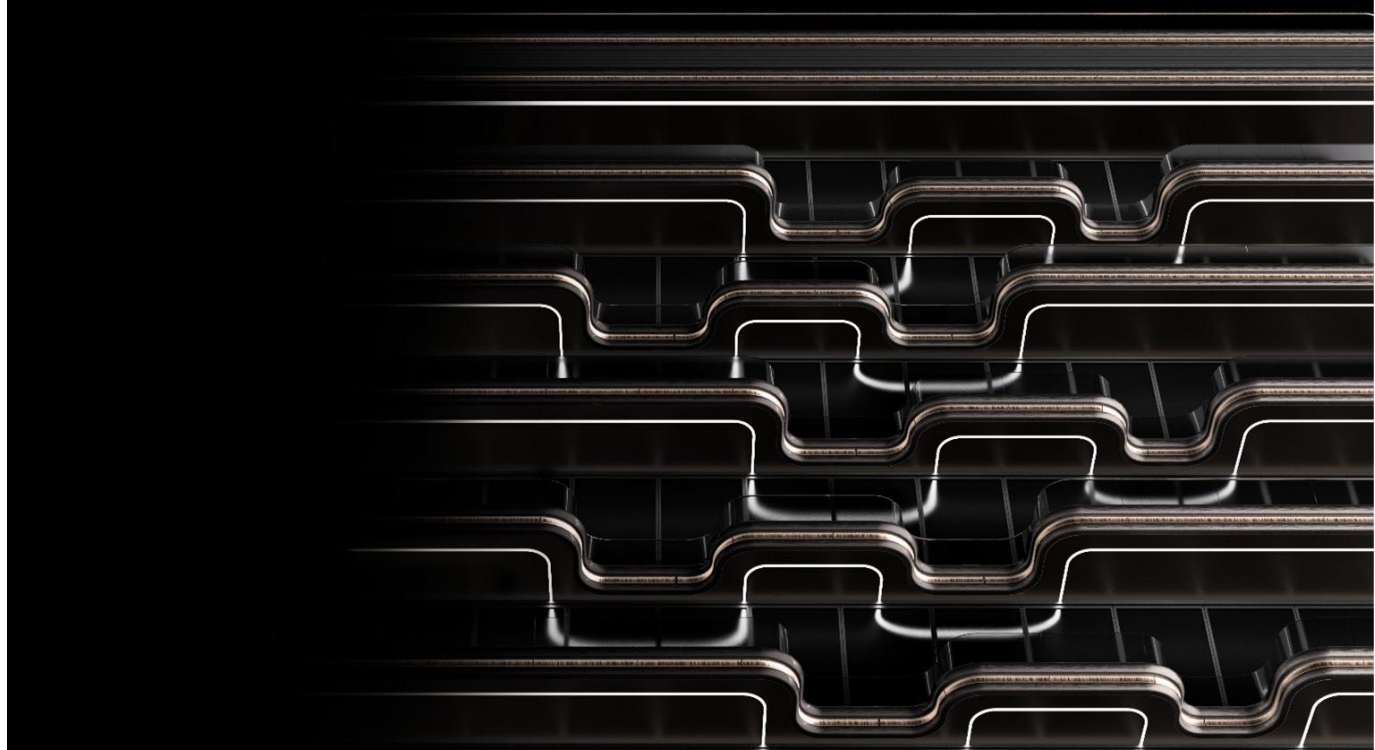
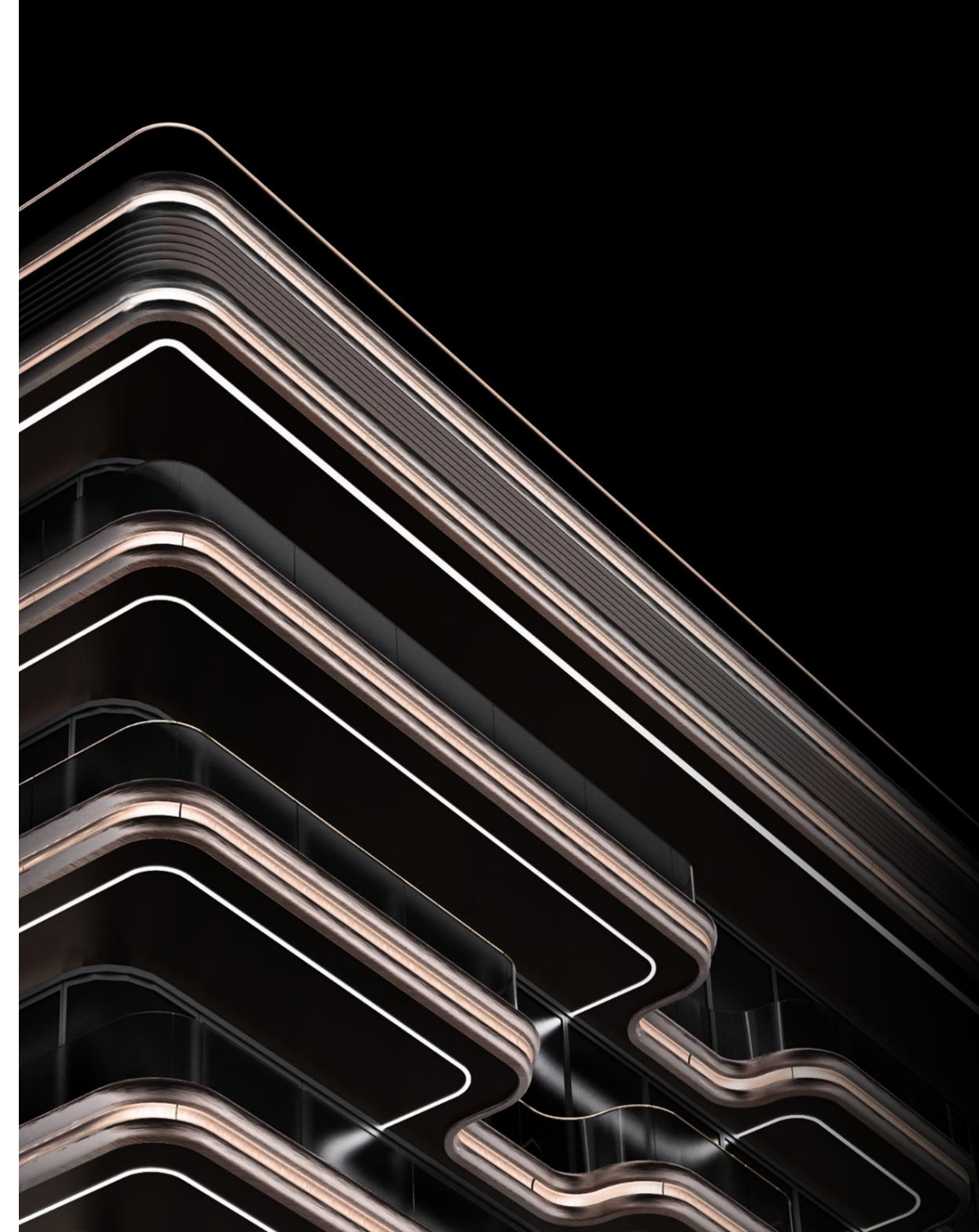
Make a selection to view attributes

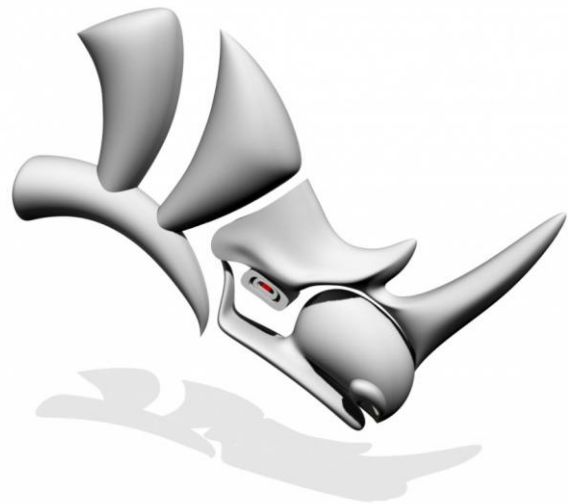
Select Load Attributes Copy Tab







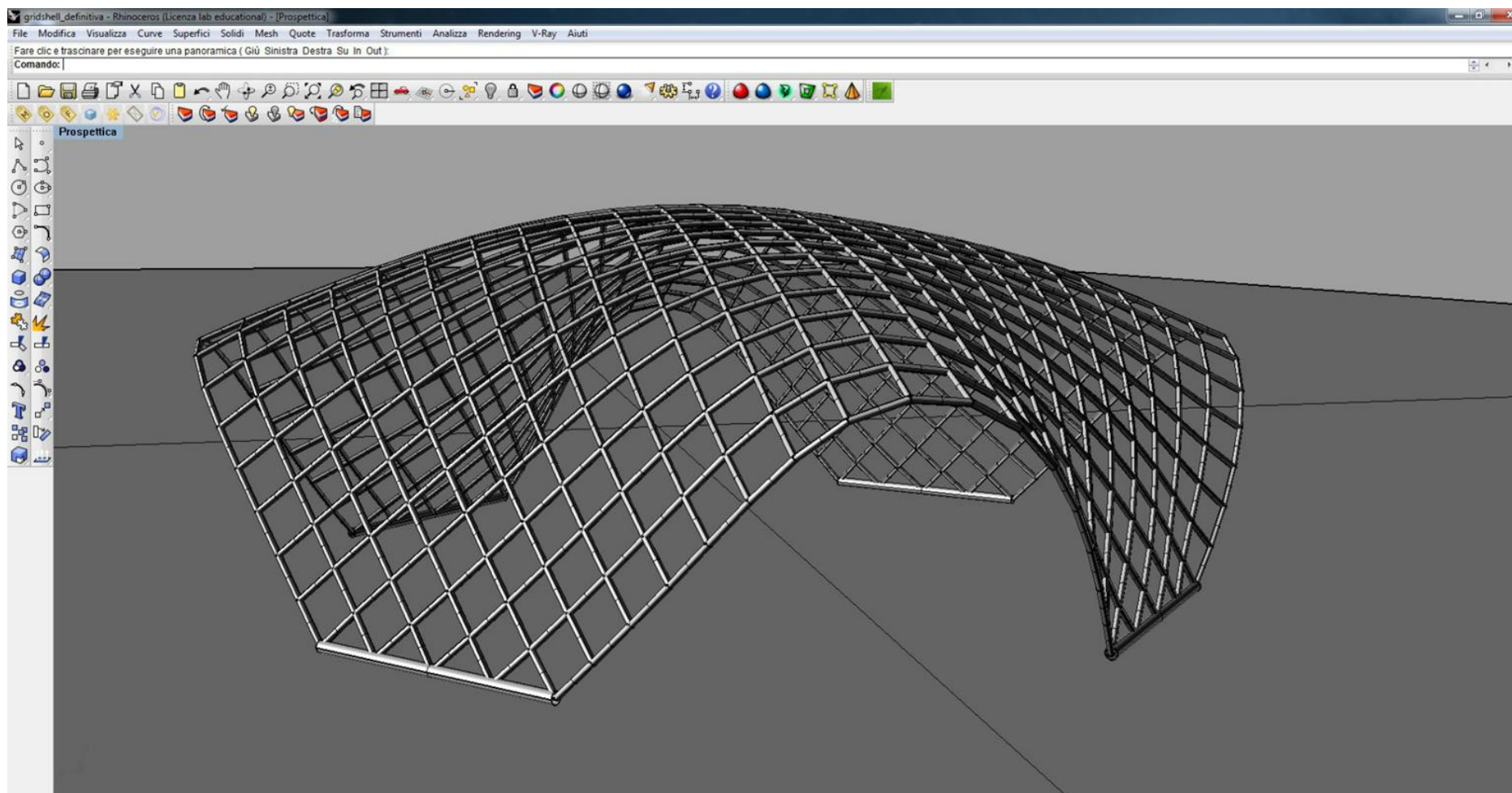


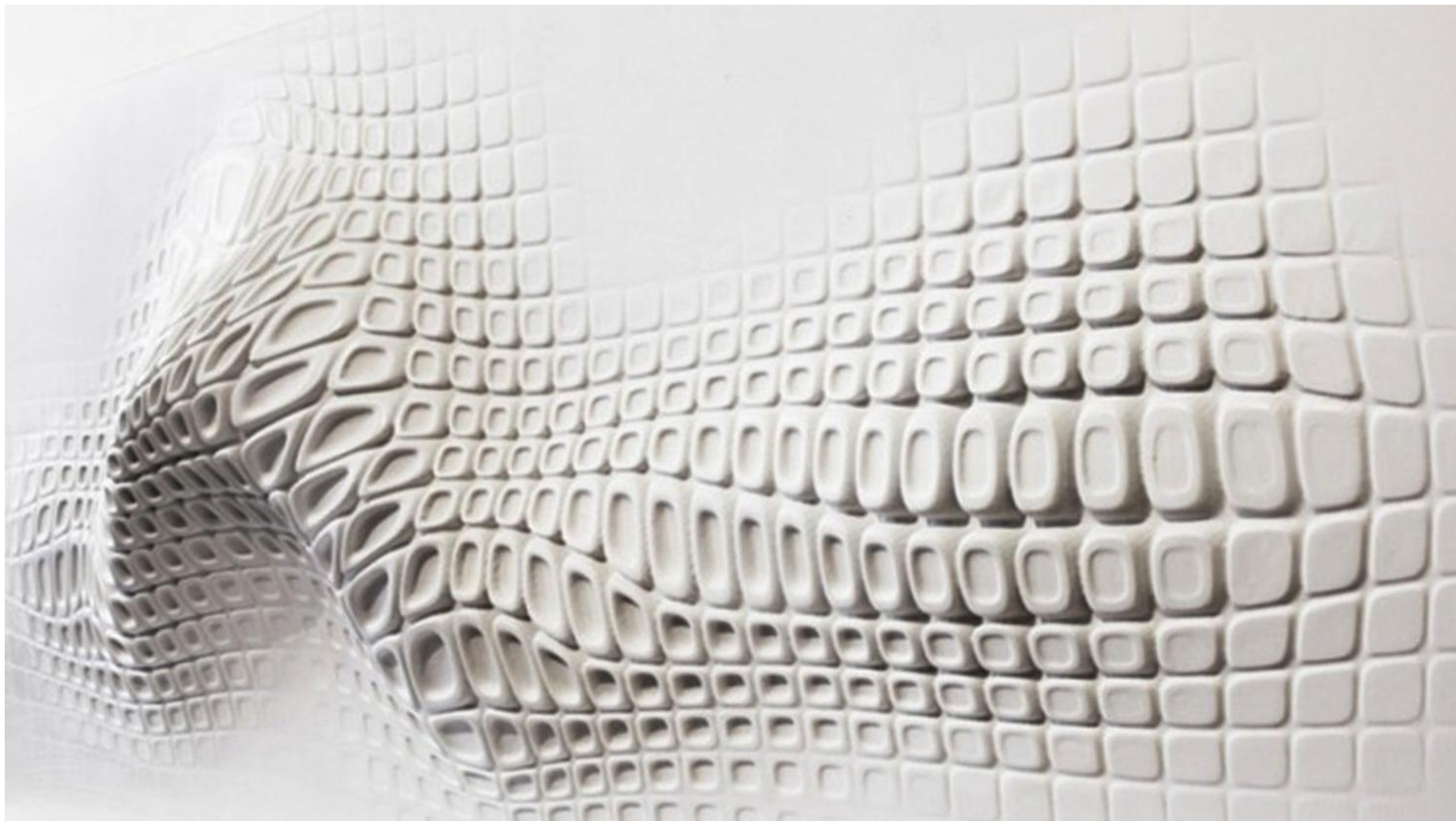


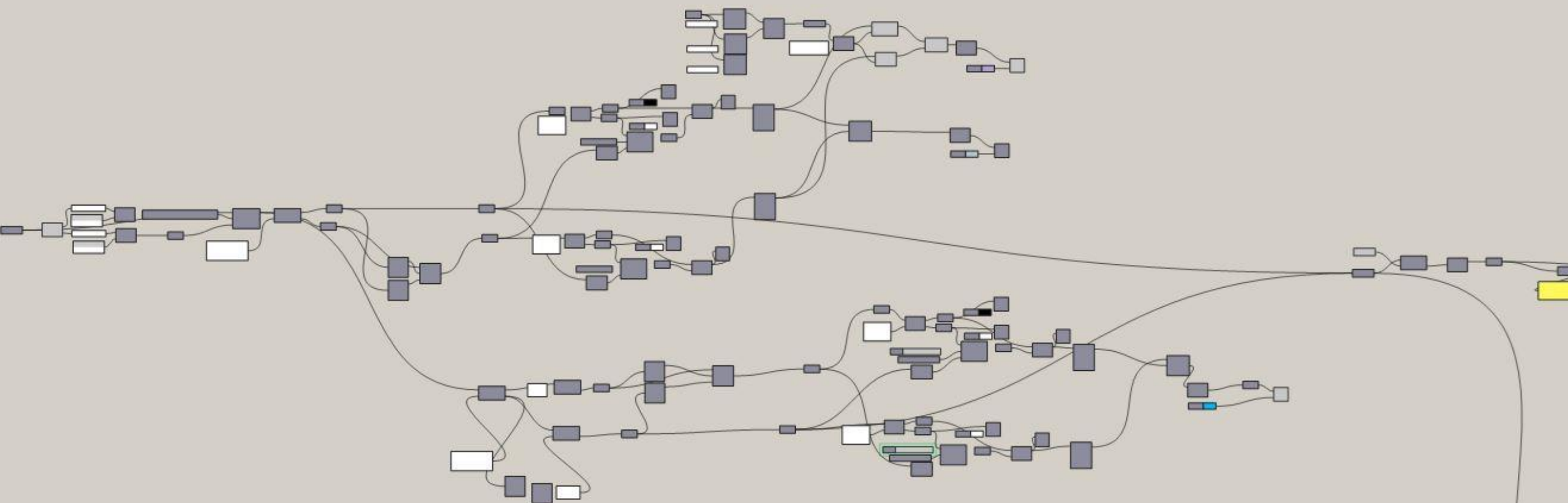
Rhinoceros[®]
NURBS modeling for Windows

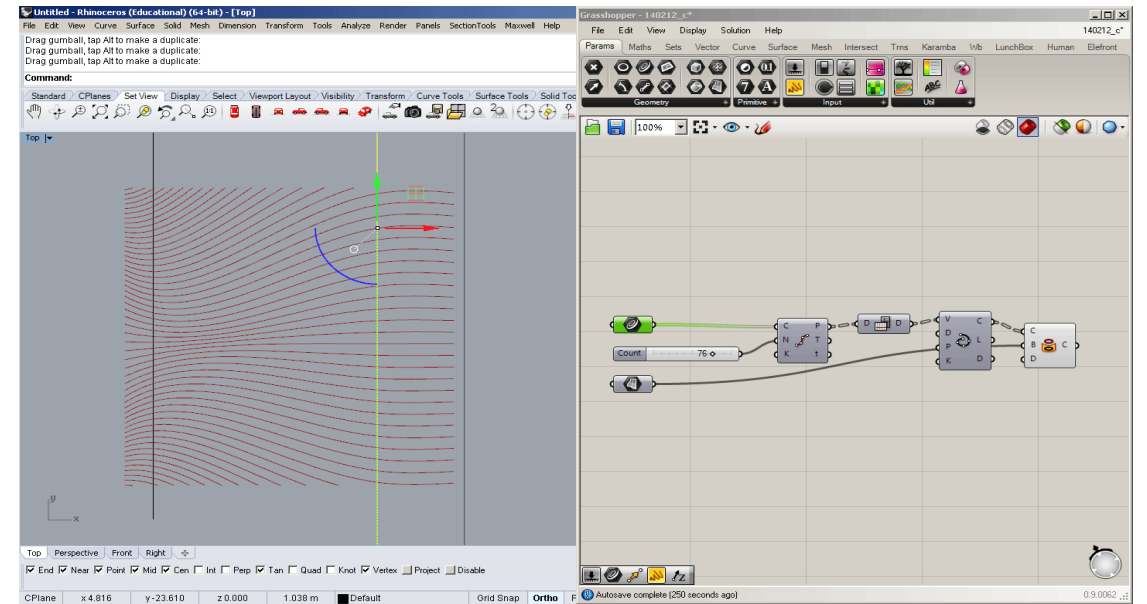
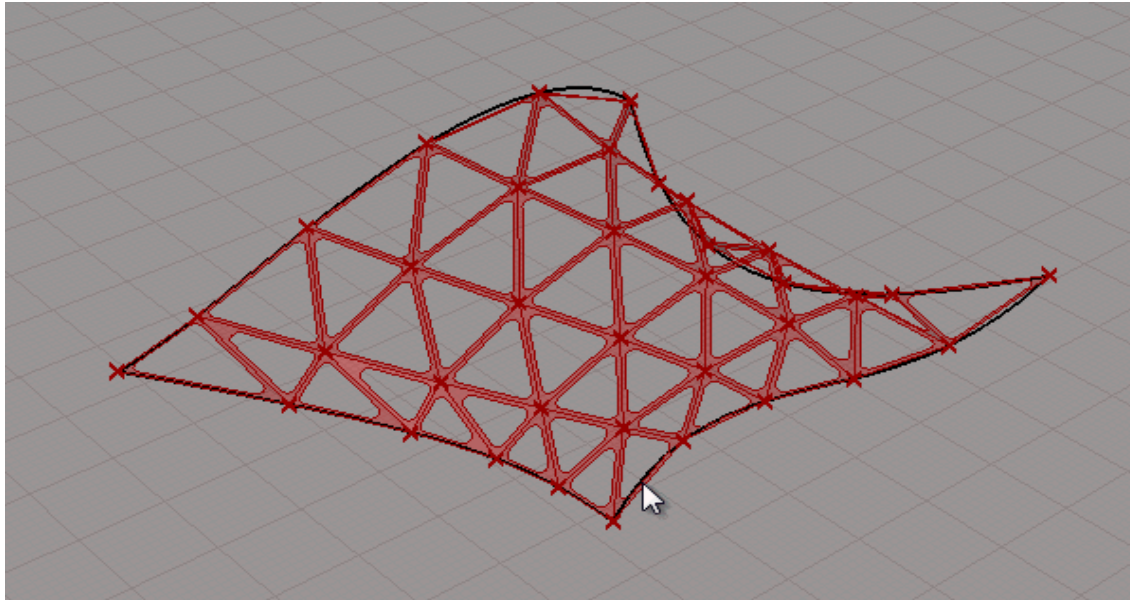


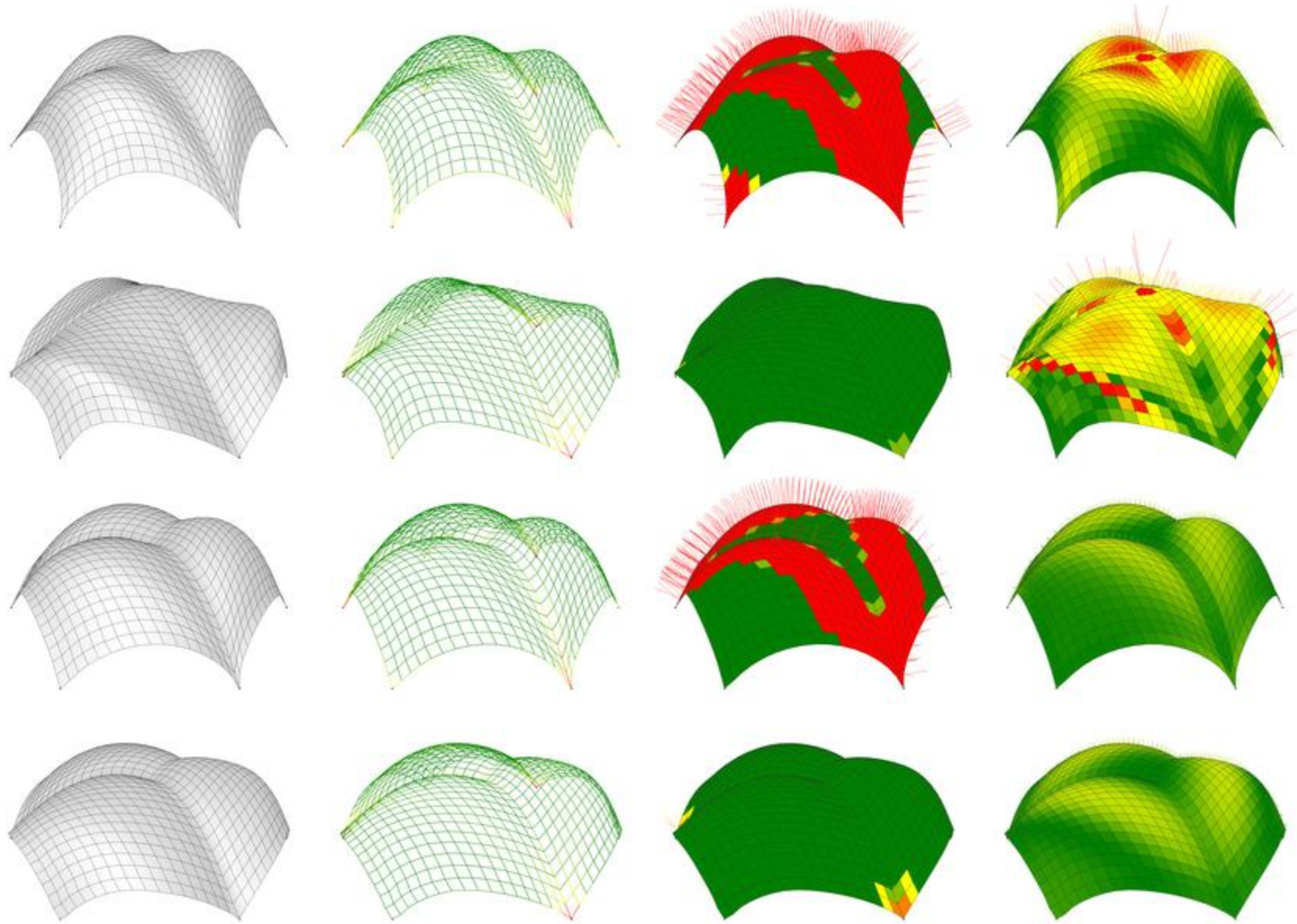
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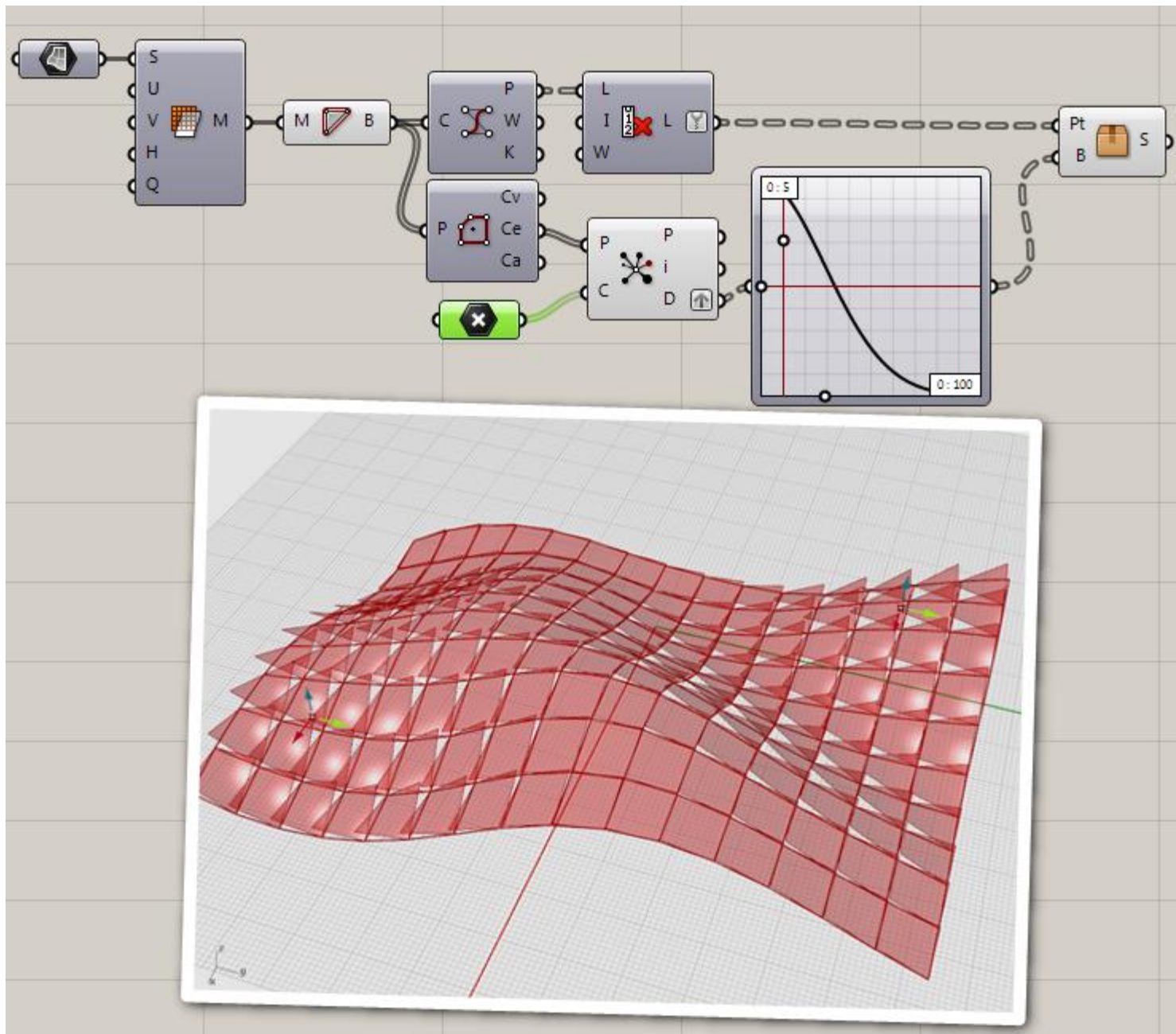


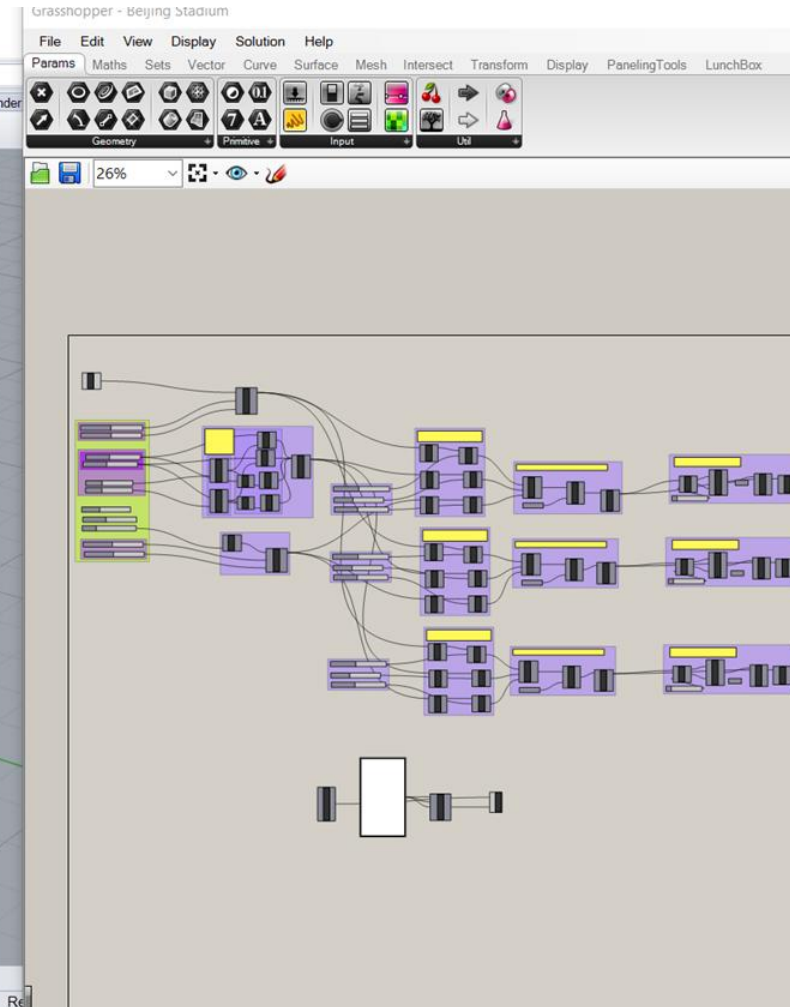
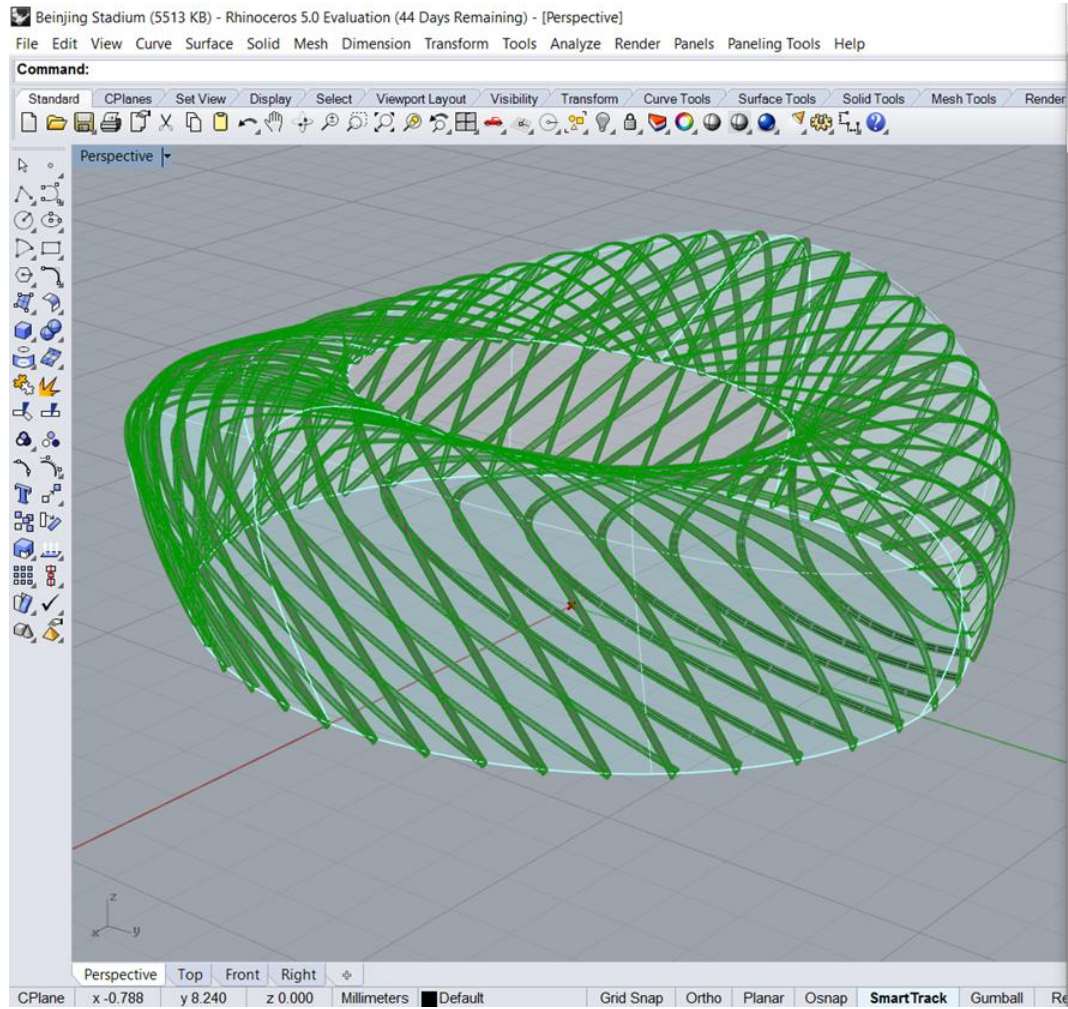


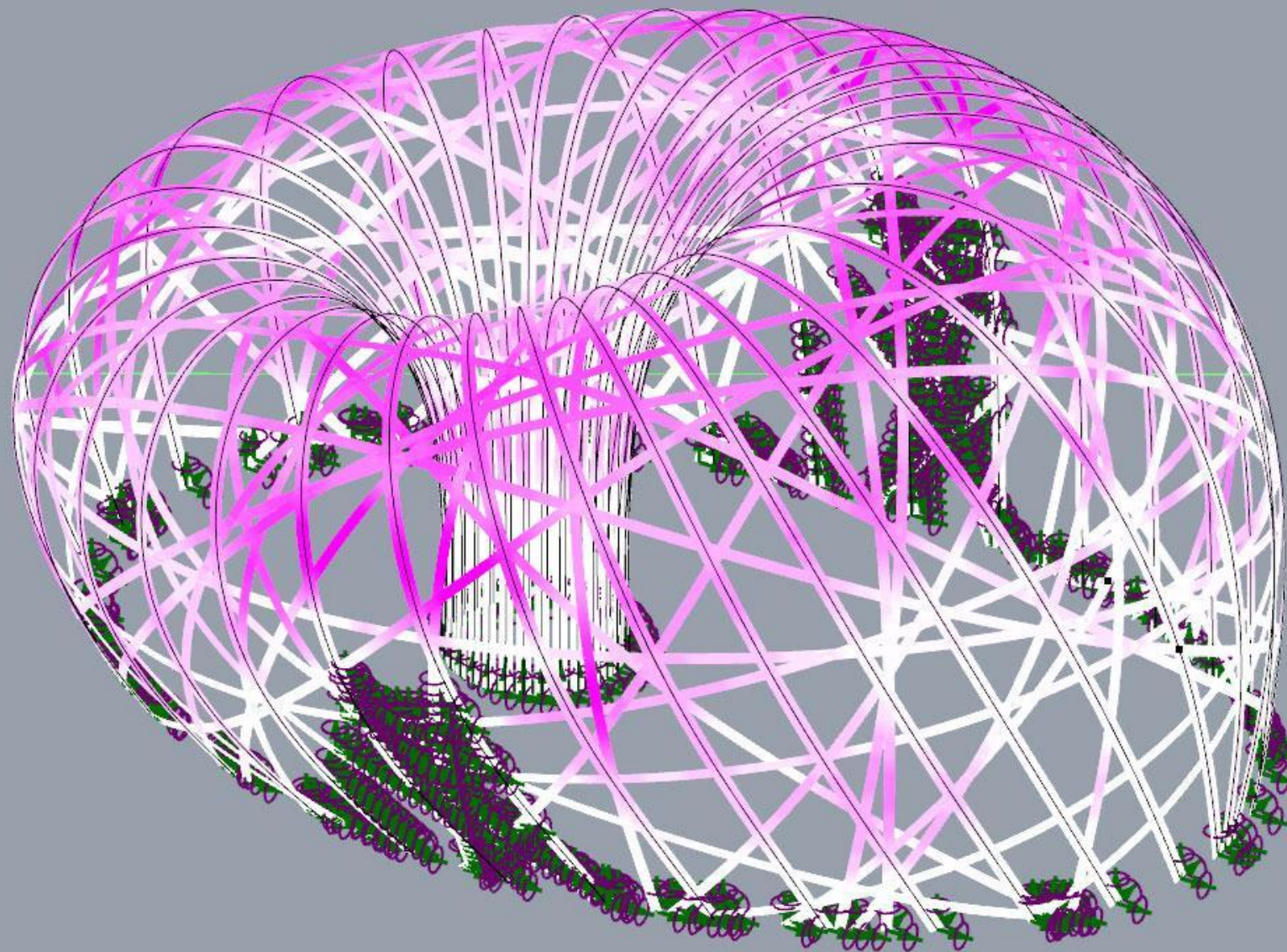
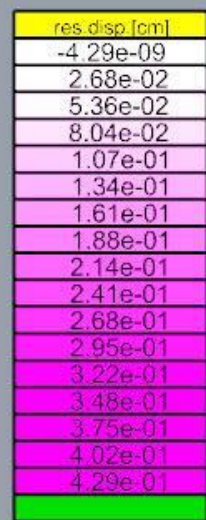


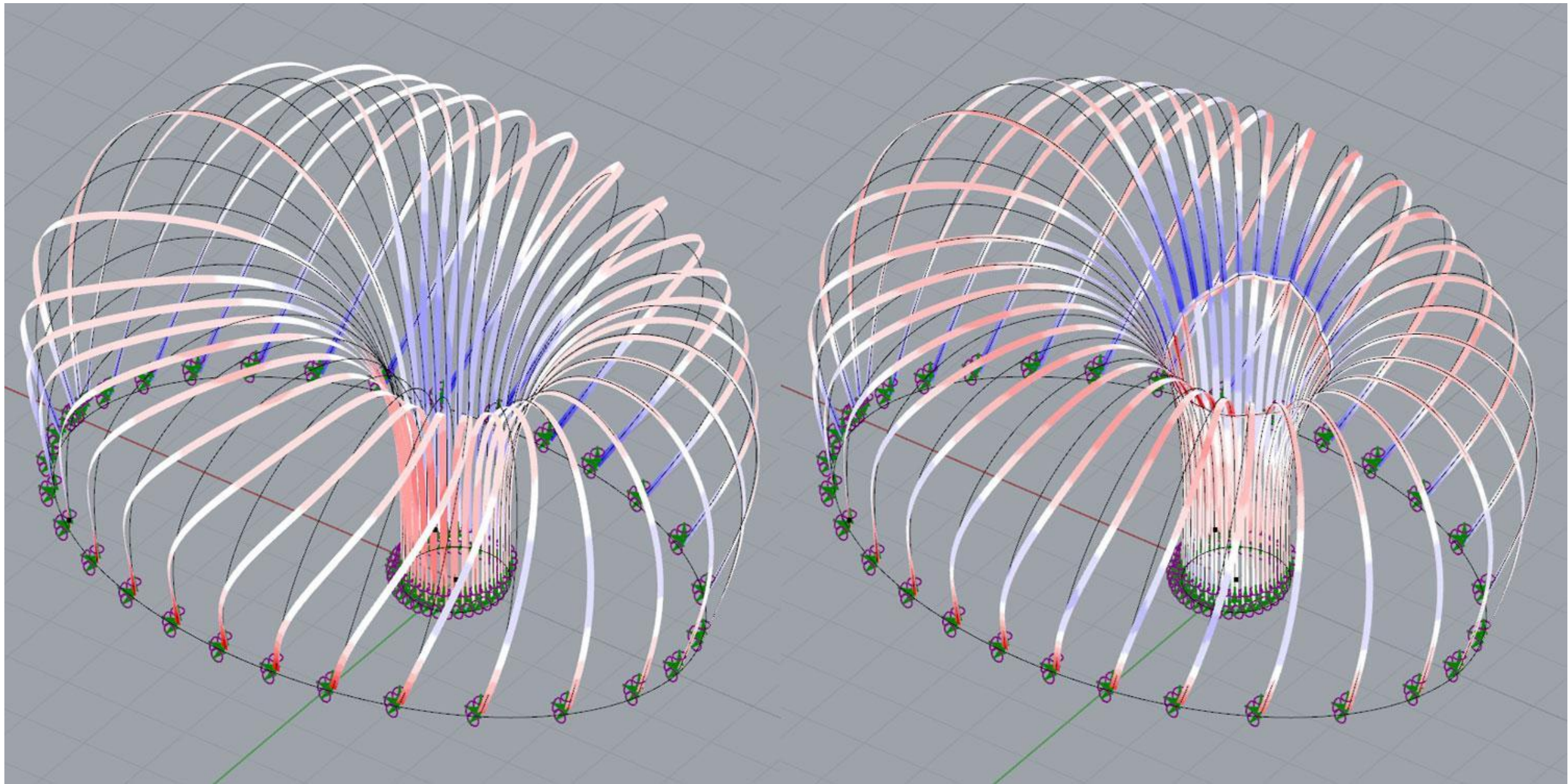




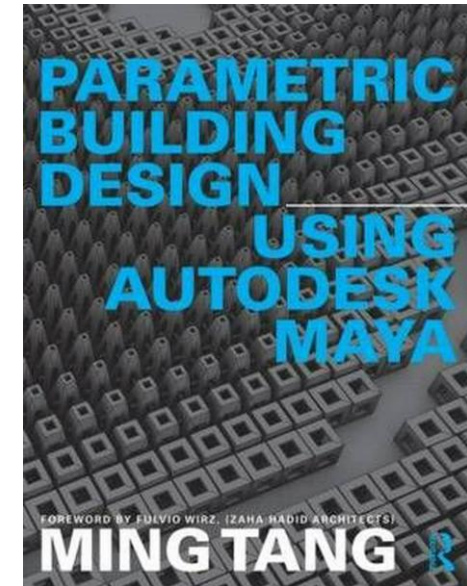
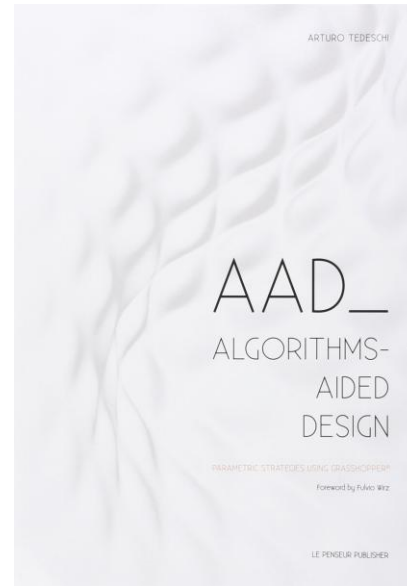
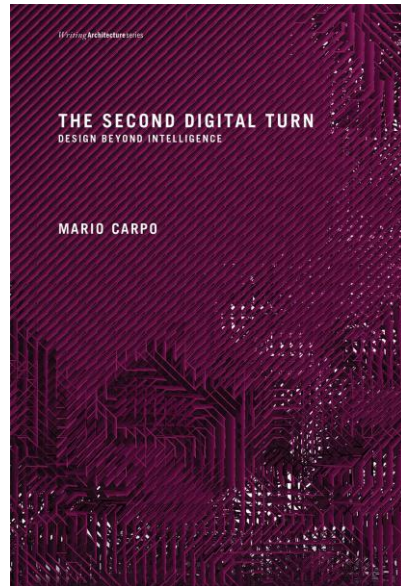
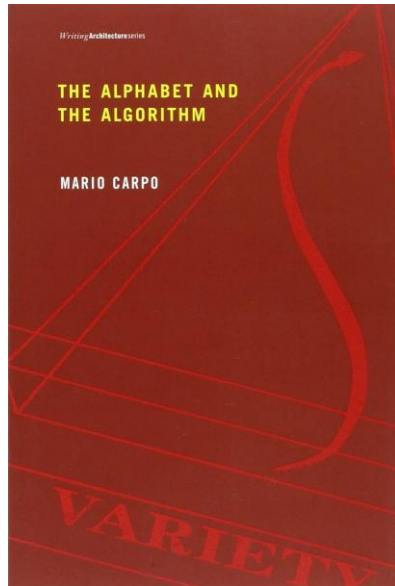






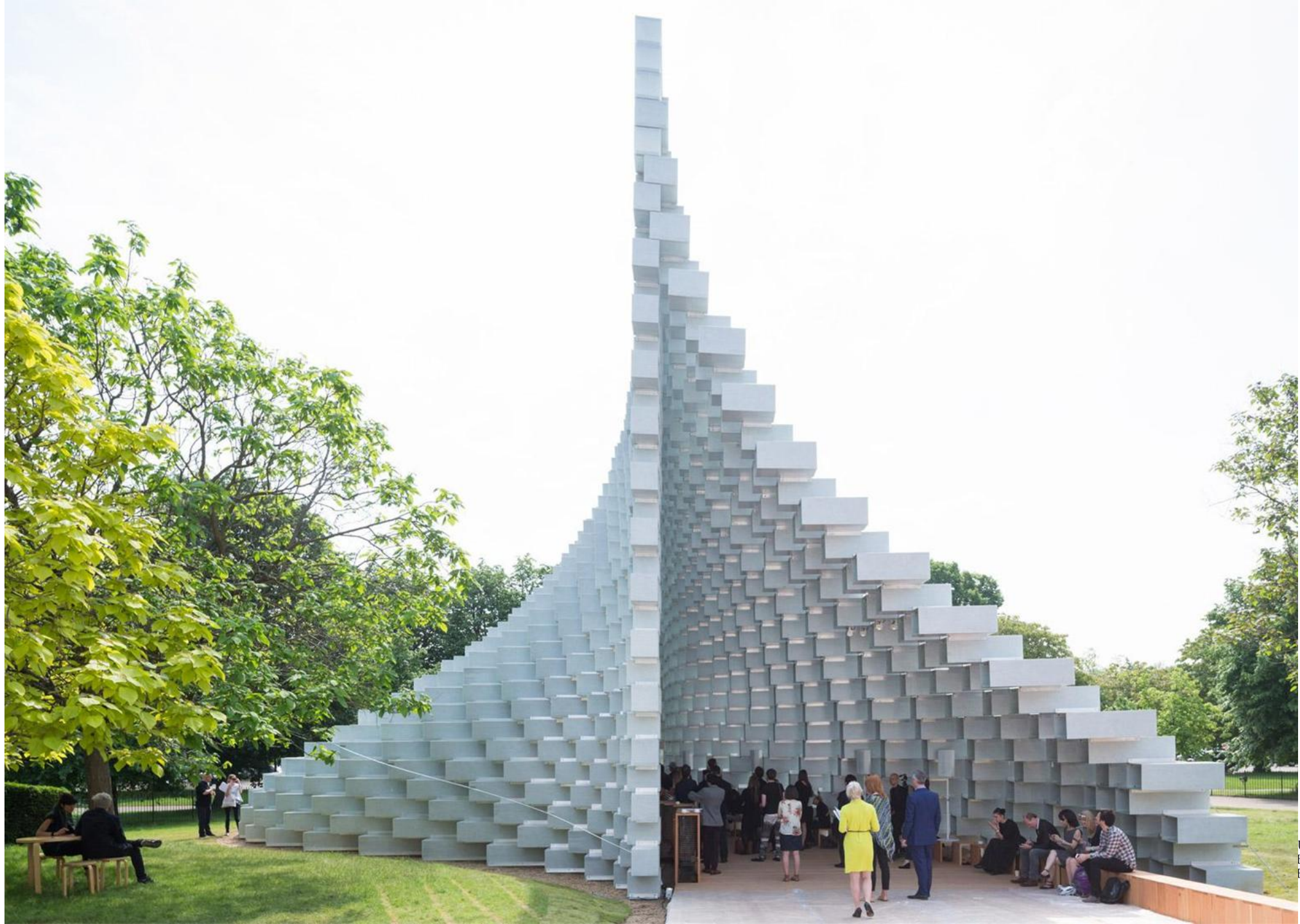


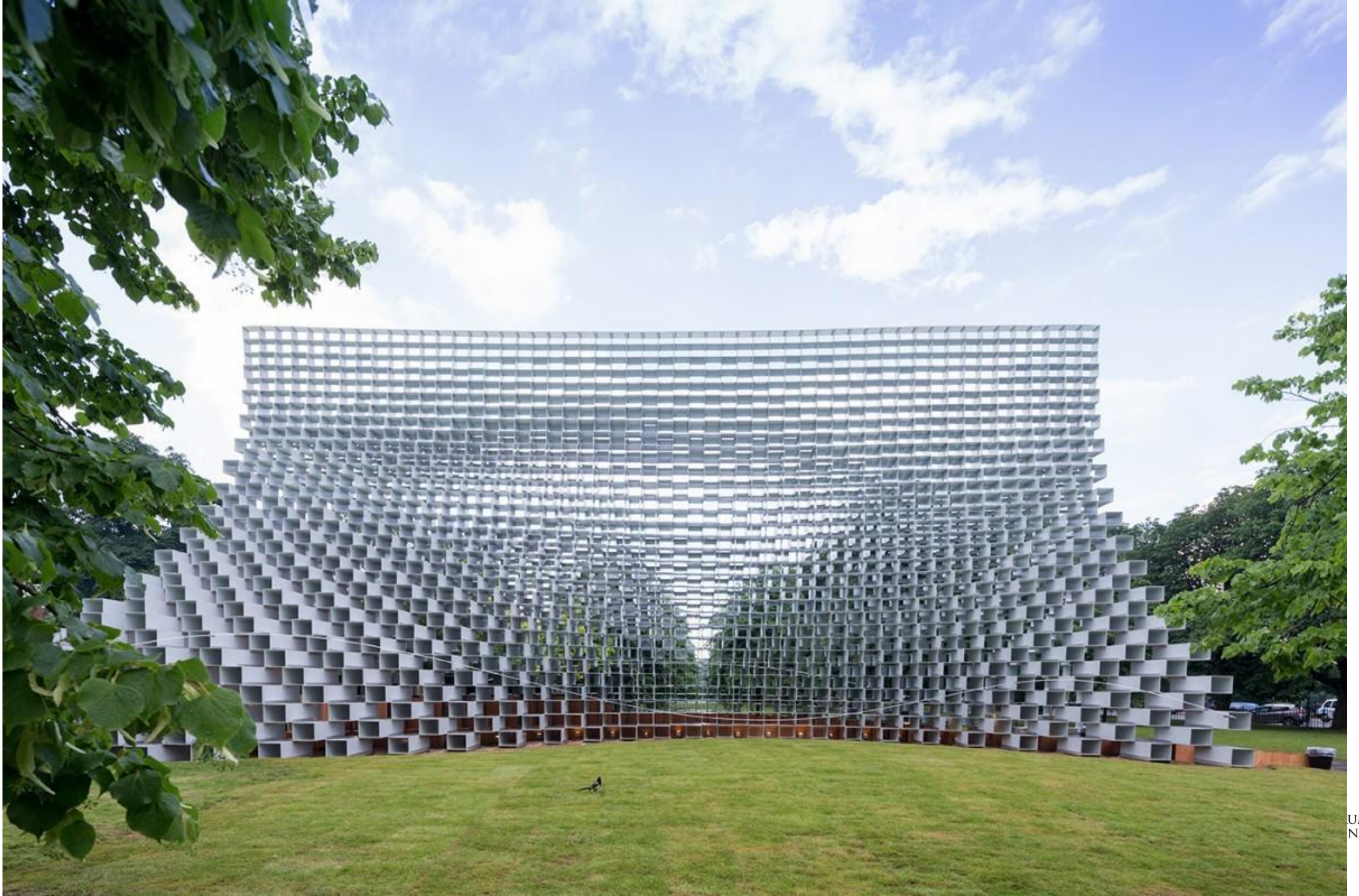
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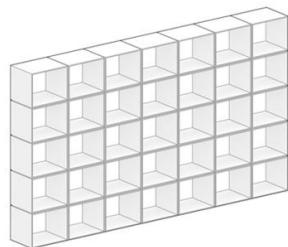


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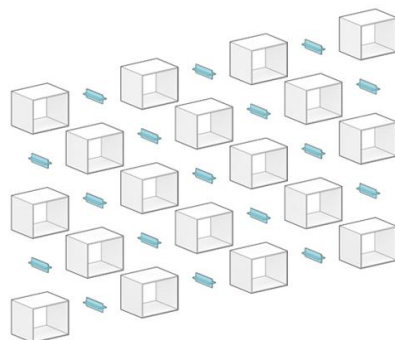






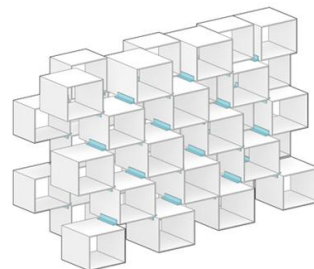
WALL STRUCTURE

Boxes and profiles are arranged in an orthogonal grid.



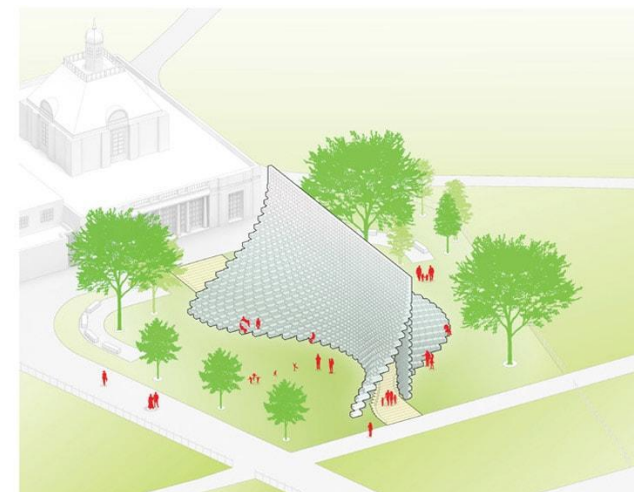
WALL COMPONENTS

The wall consists of 1,802 glass fiber boxes (400mm x 500mm) with 2,890 cruciform aluminum extrusions.



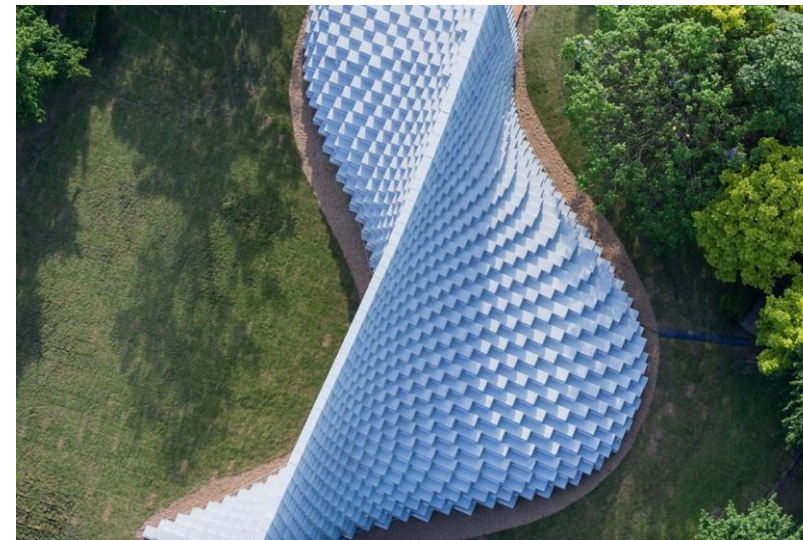
SPATIAL WALL

The boxes slide inwards and outwards in a checkerboard pattern, unfolding in a zigzag fashion.

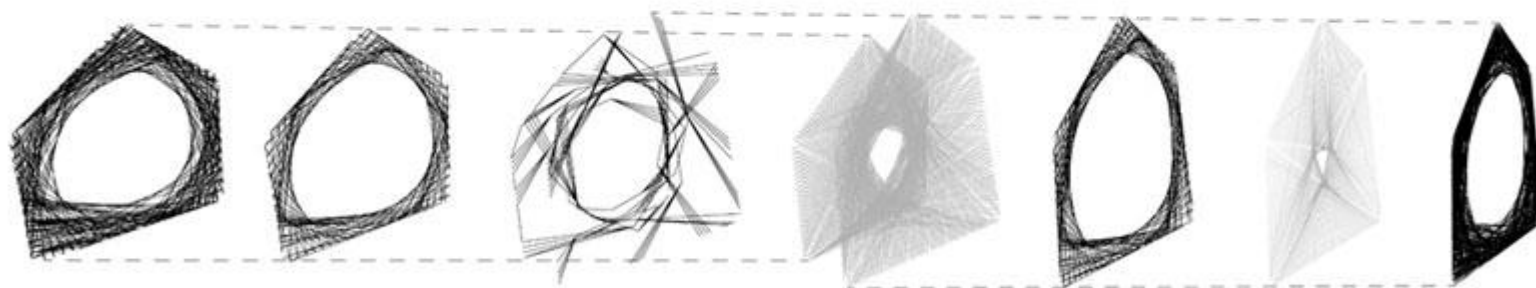
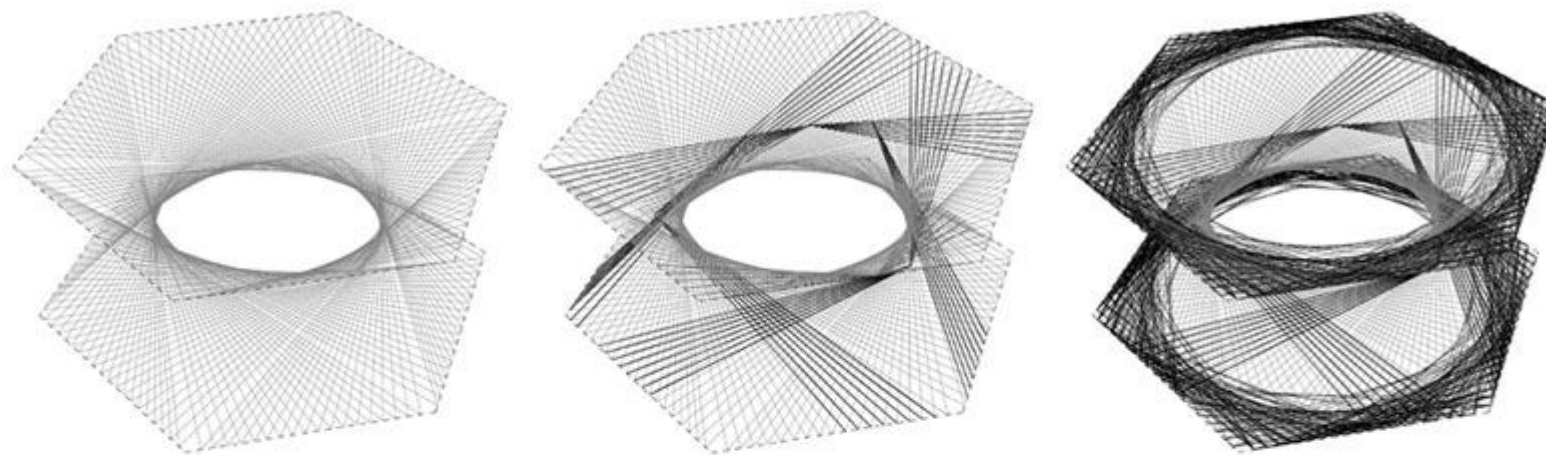
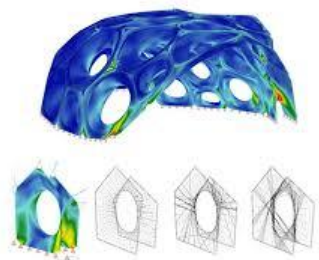


SERPENTINE PAVILION

The resulting serpentine wall provides a sheltered, sunny valley towards the entrance and a hillside towards the park. On the interior, the unzipped wall creates a light-filled canyon.



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7.
Carbon Edge
Reinforcement

4.
Generic Carbon

3.
Structurally
Differentiated
Carbon

2.
Glass Scaffolding

5.
Generic Carbon

1.
Glass Enclosure
(optional)

6.
Carbon Edge
Reinforcement



Durata Corso: tot. 30 ore

- **N. Max. studenti: 20**
- **Svolgimento: Giugno 2026**
- **Prova Idoneità: Luglio 2026**
- **Consegna singola o da svolgersi in gruppo (max. 3 studenti)**
 - **Consegna: Portfolio + Files digitali**

Maggiori informazioni ed il programma dettagliato sono reperibili sul sito web del docente.





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a.a. 2025/6

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