



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. 2024-2025

Nicolas Turchi

American University of Dubai
University of Bologna
nt-ar



Nicolas Turchi è attualmente Professore presso l' American University of Dubai, professore a contratto presso l'Università di Bologna, Visiting Professor presso il Master in Science dell'Università di Sofia e Direttore dello studio d'architettura nt-ar. Nicolas ha conseguito un Master in Architettura II presso Harvard University e una laurea quinquennale in Architecture presso l'Università di Bologna dove ha ricevuto il premio 'Giacomo Venturi' per la migliore tesi di laurea. Nicolas ha lavorato in diversi studi internazionali tra cui Zaha Hadid Architects, Eisenman Architects, Xefirotarch, Mario Cucinella Architects e 5+1AA. Nicolas è particolarmente interessato alle tecnologie emergenti e a come esse influenzano l'aspetto teorico della disciplina. La sua ricerca si focalizza, inoltre, sul rapporto tra architettura e filosofia, come dimostrano le tesi su Tempo e spazio in architettura, influenzate dal pensiero di Henri Bergson e Edmund Husserl. Il suo lavoro è stato ampiamente pubblicato in eventi e magazines d'Architettura (Biennale di Venezia, ACADIA, Harvard GSD Platform, Archdaily, Milano Design Week etc.). Nicolas affianca costantemente la professione a ricerca e collaborazioni accademiche, partecipando a giurie concorsuali, panel accademici e conferenze in varie istituzioni internazionali..



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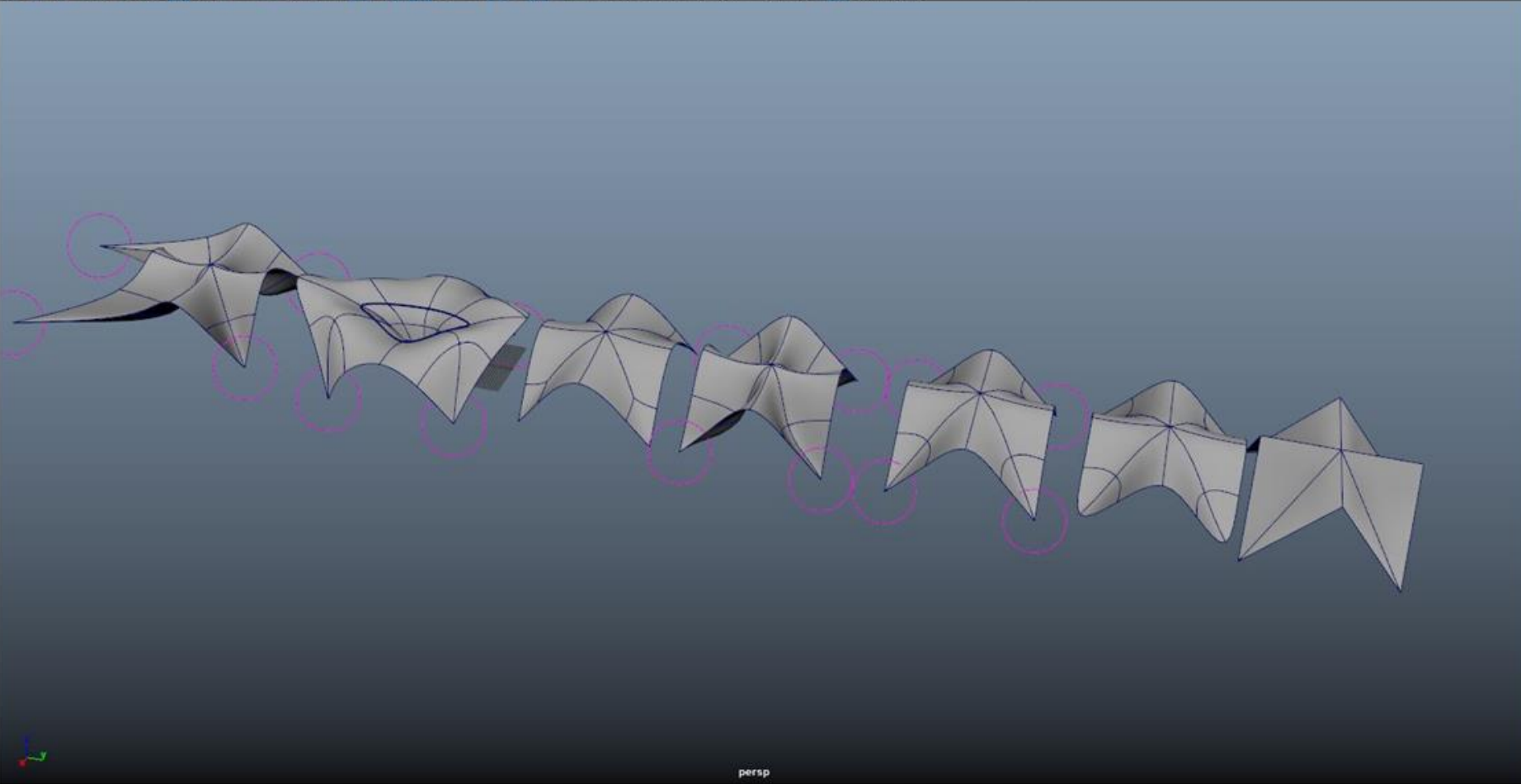
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directionalLight1 directionalLightShape1 defaultLightSet

directionalLight: directionalLightShape1

Focus Presets Show Hide



Directional Light Attributes

Type: Directional Light

Color: [Color Picker]

Intensity: 1.000

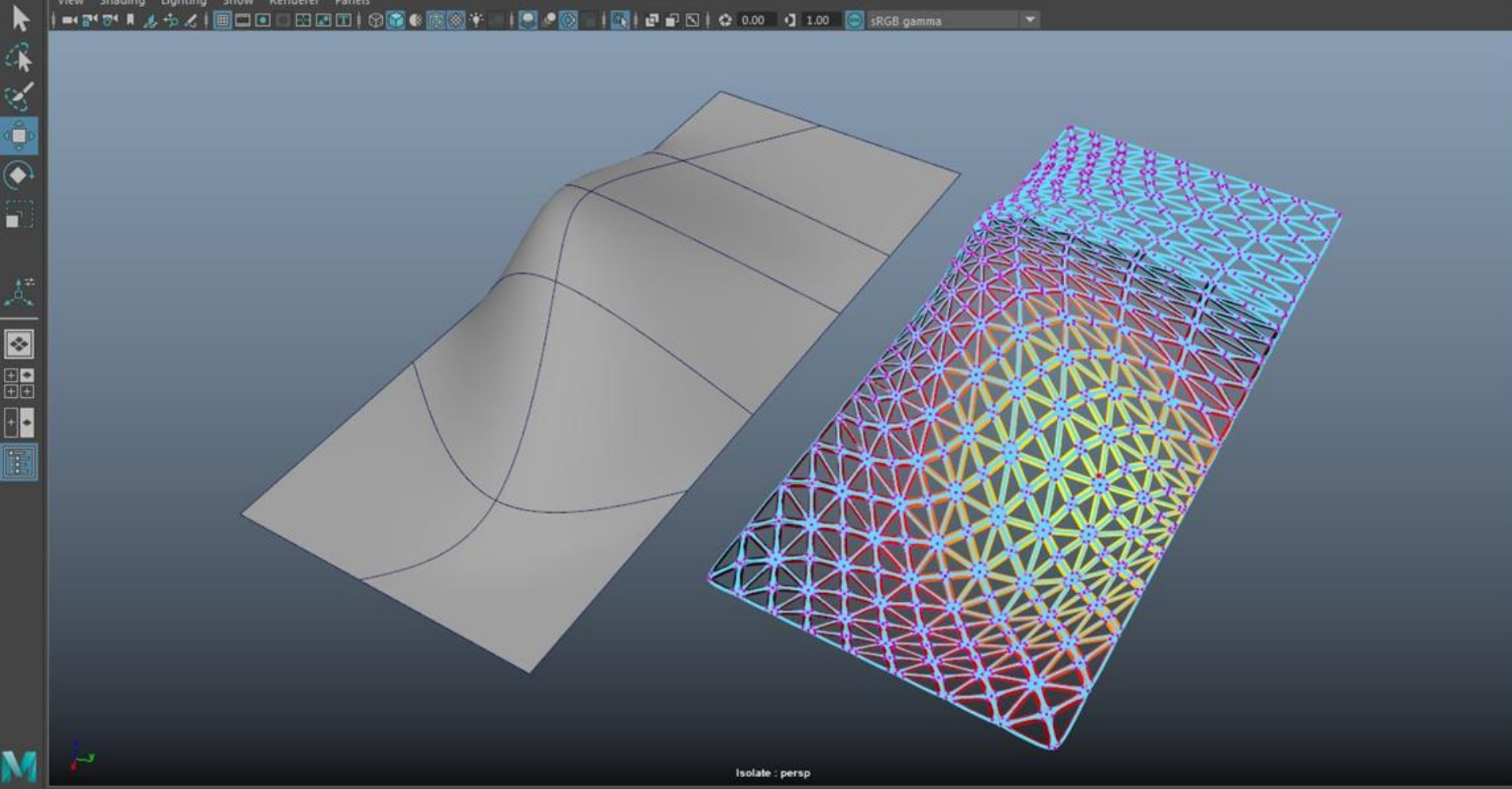
Illuminates by Default

Emit Diffuse Emit Specular

Shadows Object Display Arnold Node Behavior UUID Extra Attributes

Notes: directionalLightShape1

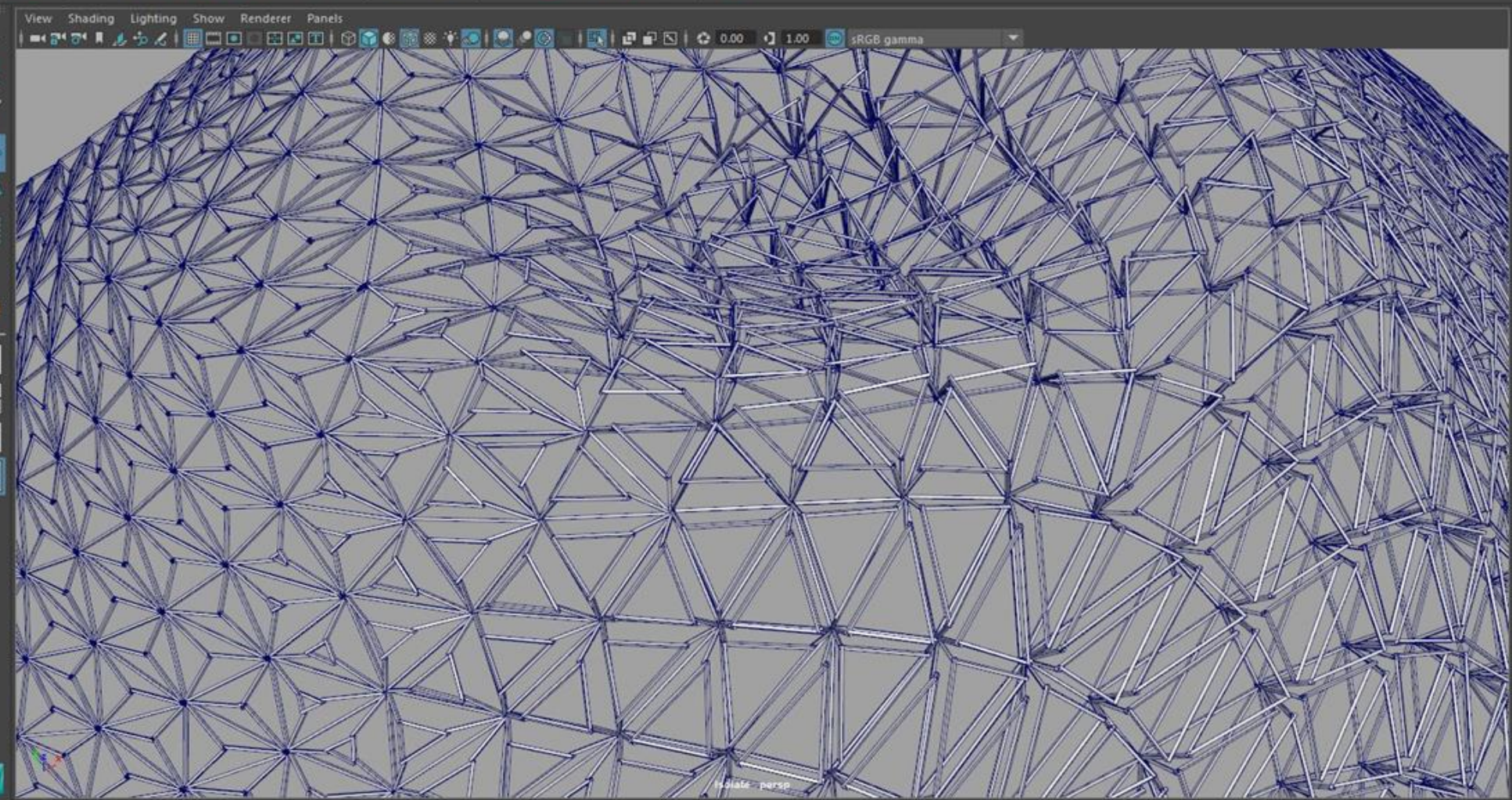
Select Load Attributes Copy Tab



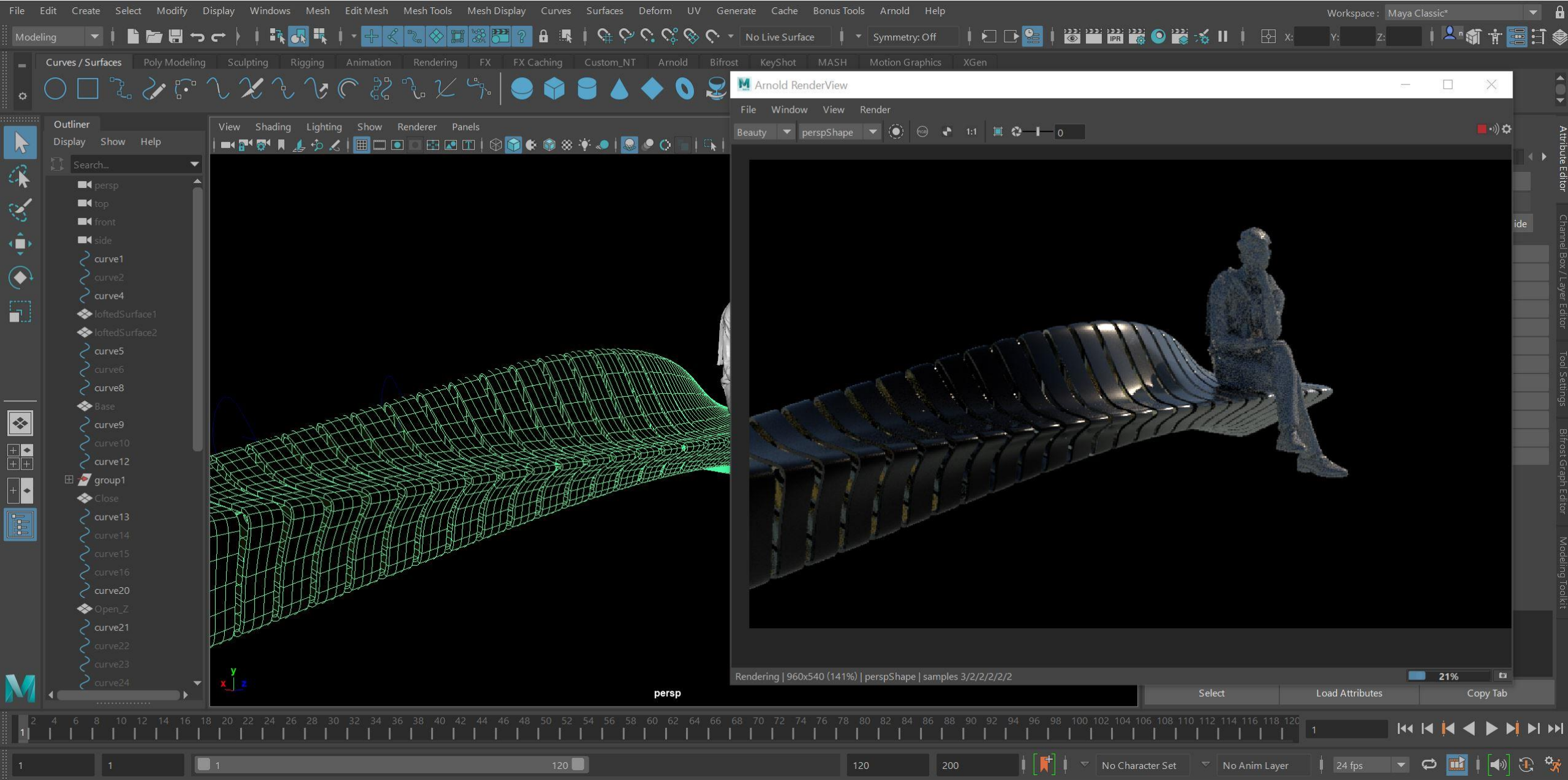
List Selected Focus Attributes Show Help

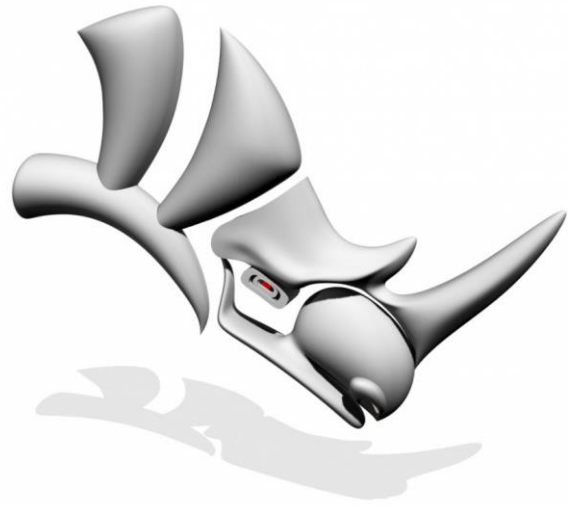
Make a selection to view attributes

Select Load Attributes Copy Tab



Make a selection to view attributes





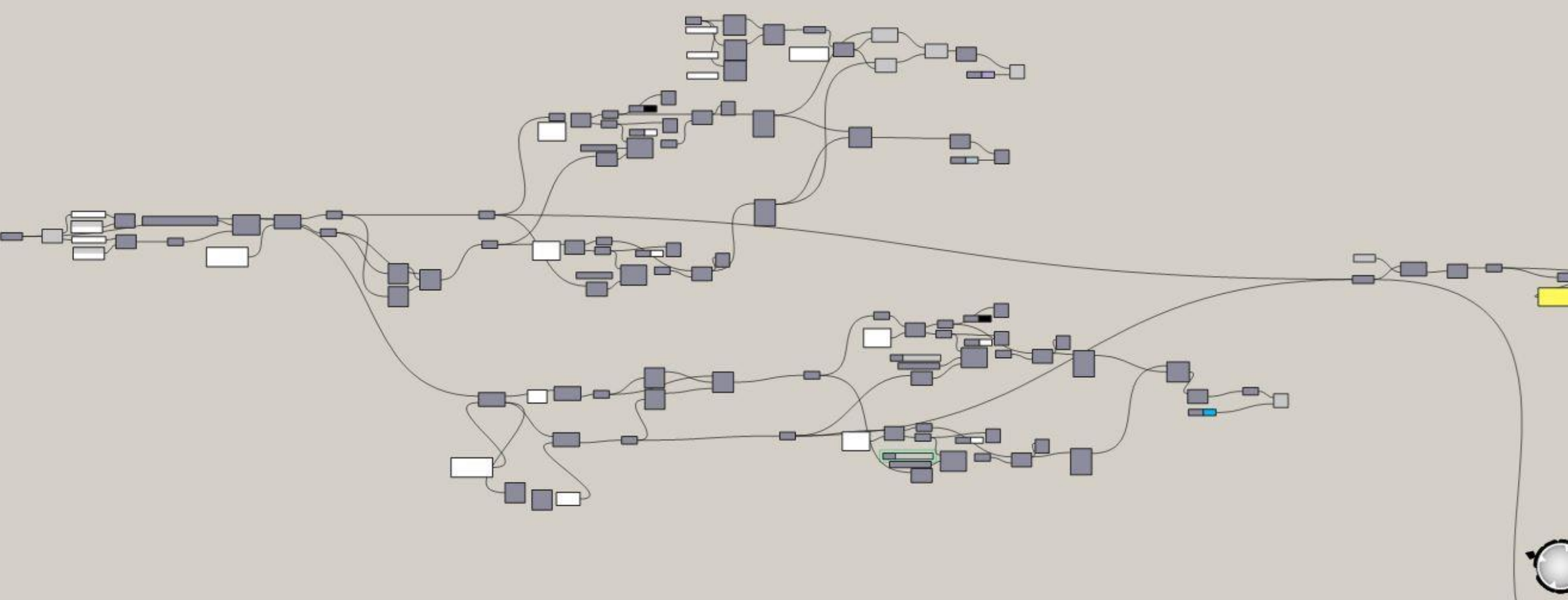
Rhinoceros®
NURBS modeling for Windows

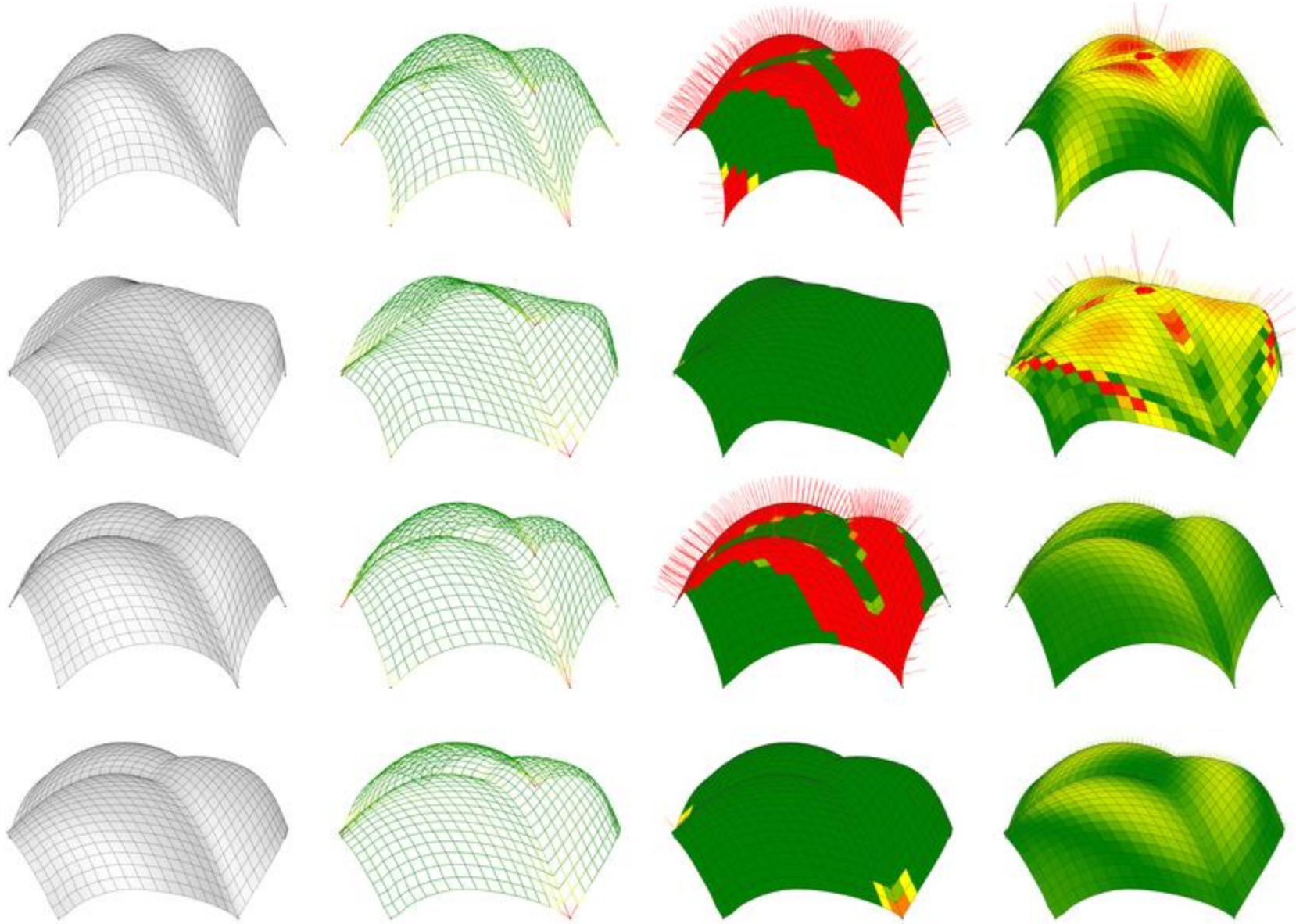


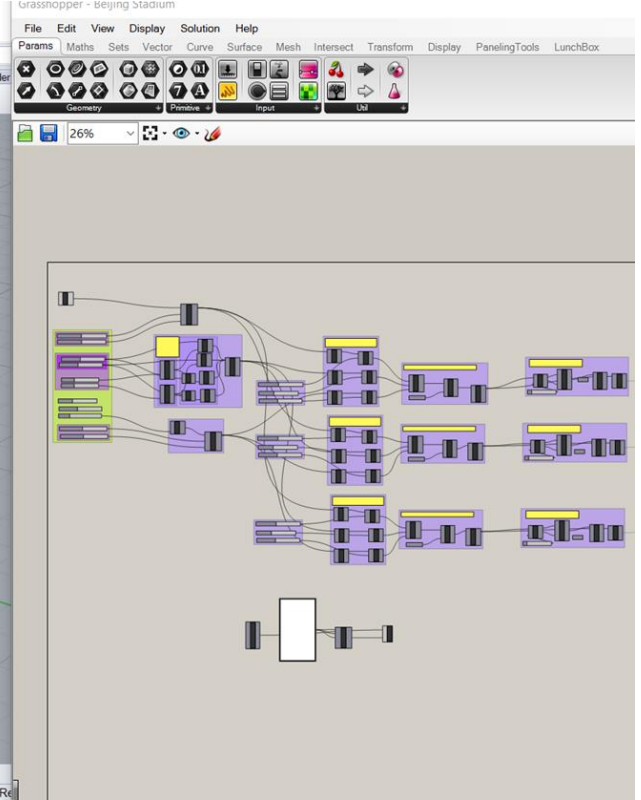
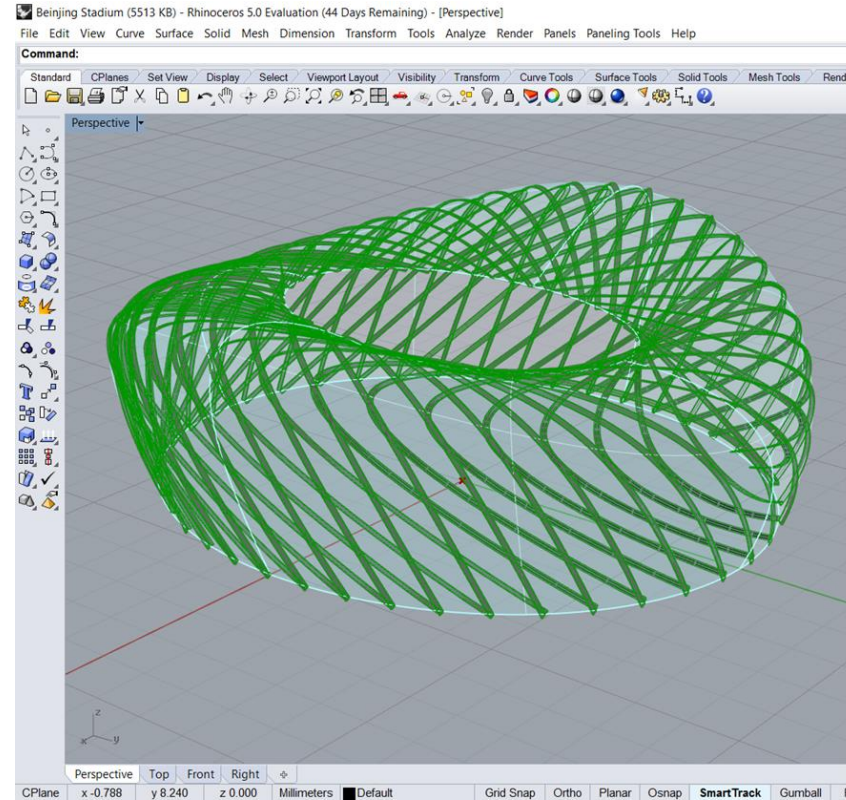
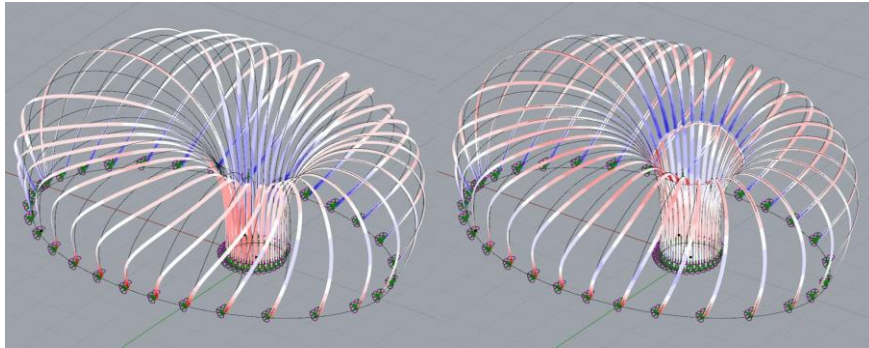
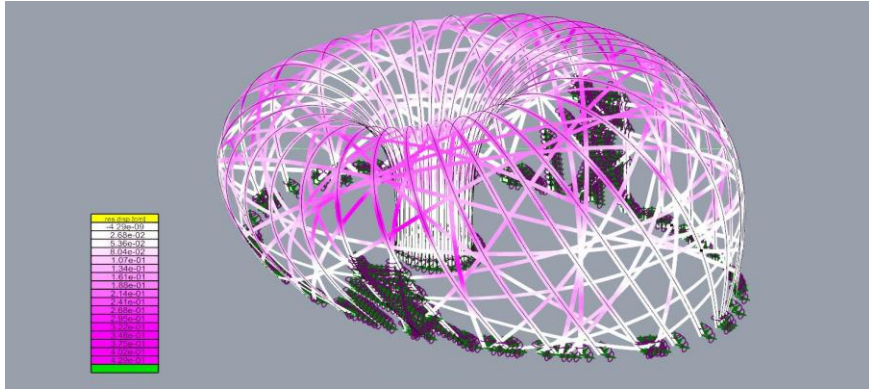
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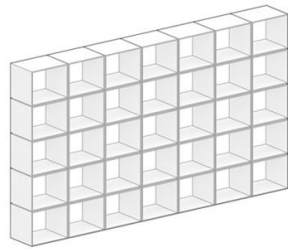
Geometry Primitive Input Util

26%



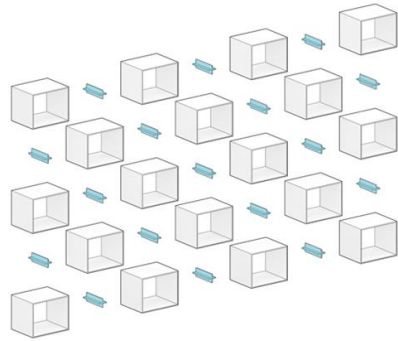






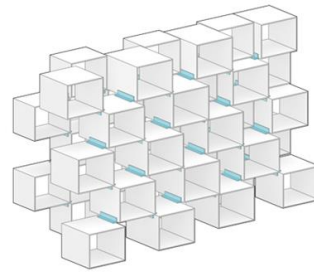
WALL STRUCTURE

Boxes and profiles are arranged in an orthogonal grid.



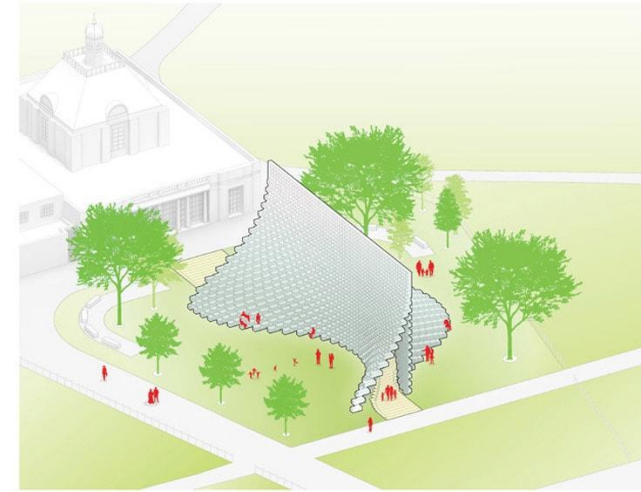
WALL COMPONENTS

The wall consists of 1.802 glass fiber boxes (400mm x 500mm) with 2.890 cruciform aluminum extrusions.



SPATIAL WALL

The boxes slide inward and outward in a checkerboard pattern, unfolding in t



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.

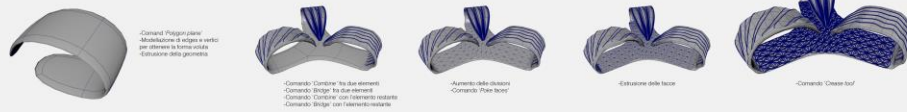


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GENERAZIONE DELLA FORMA BASE

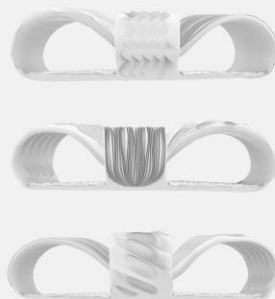


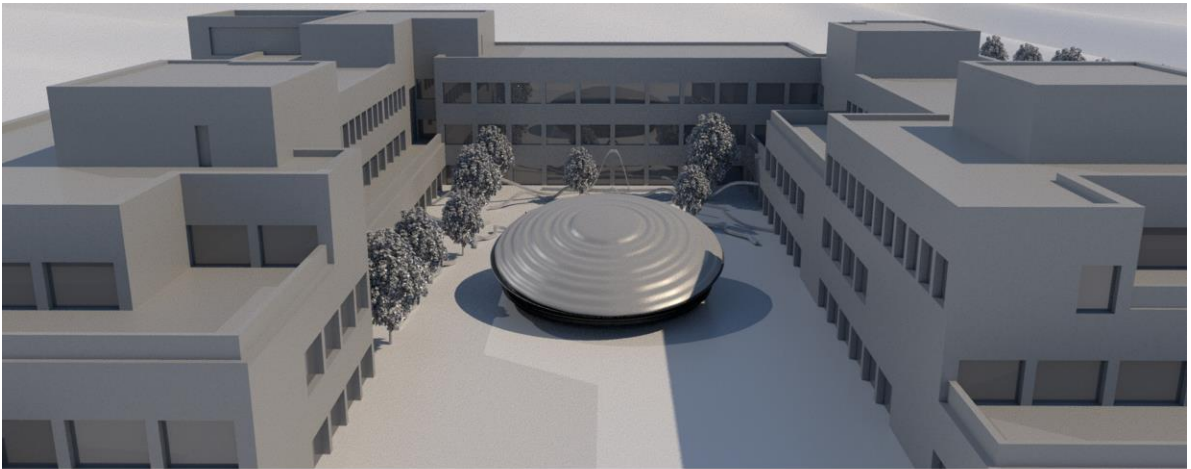
MODELLAZIONE DELLA PAVIMENTAZIONE

CREAZIONE DEGLI ELEMENTI GENERAZIONE



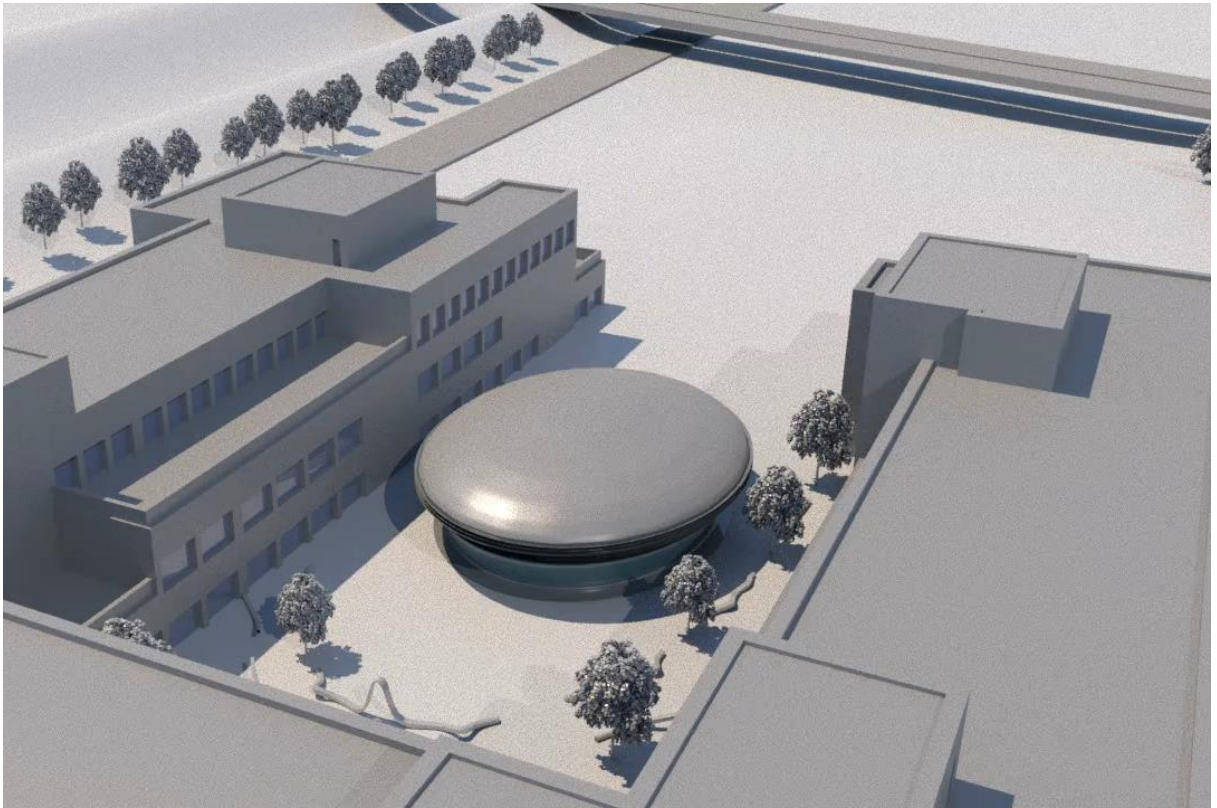
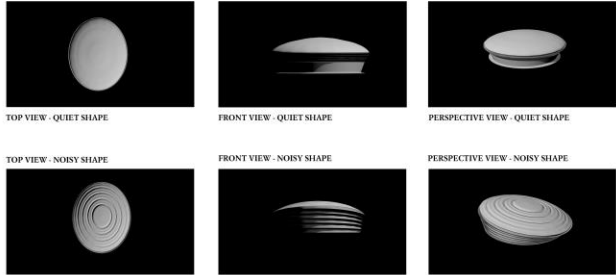
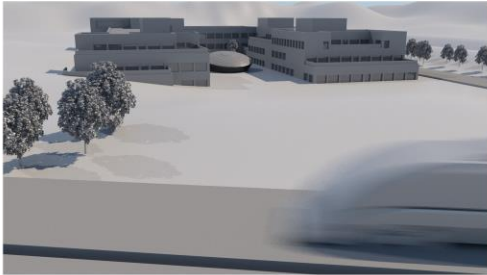
PROSPETTI

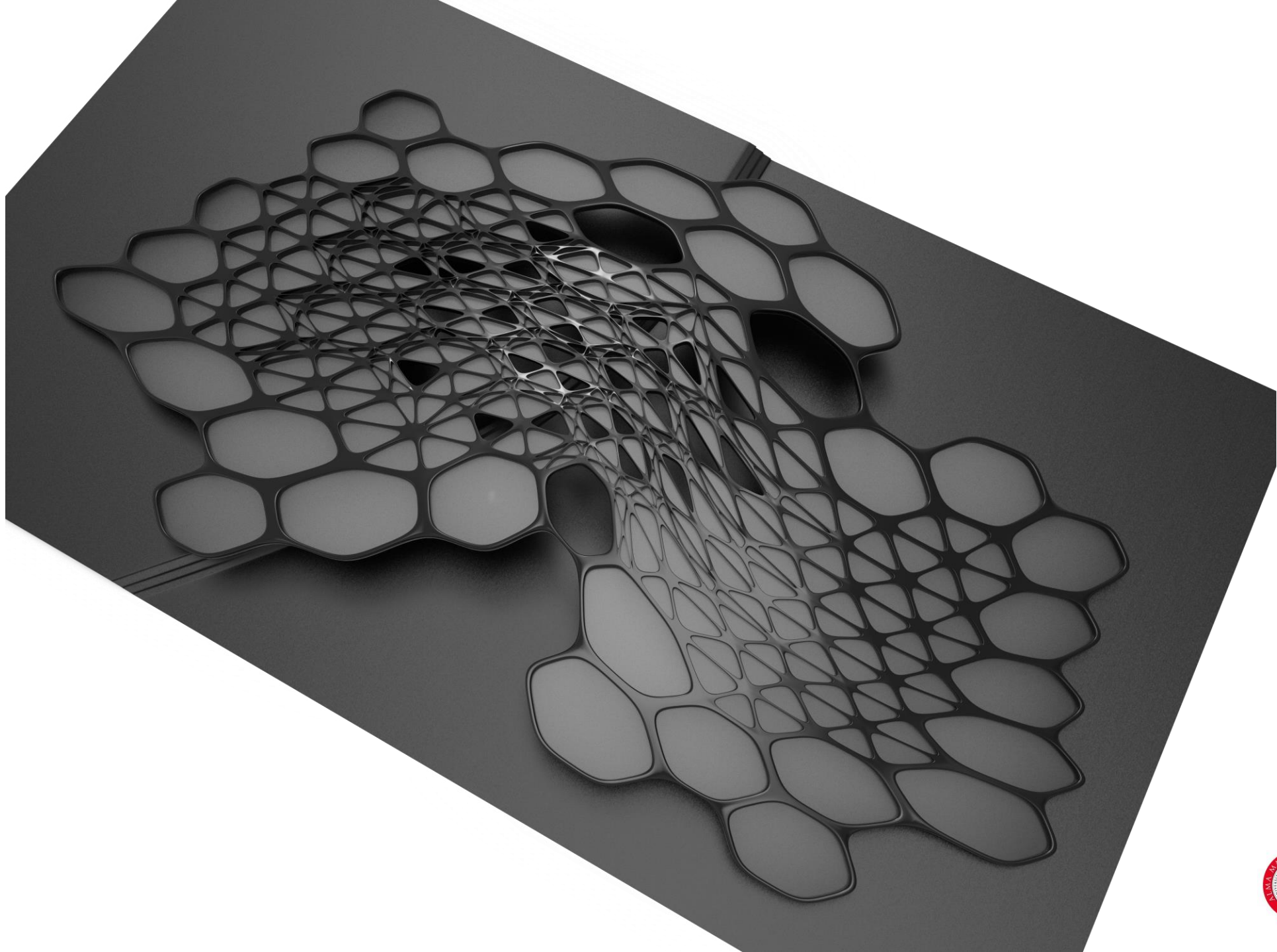




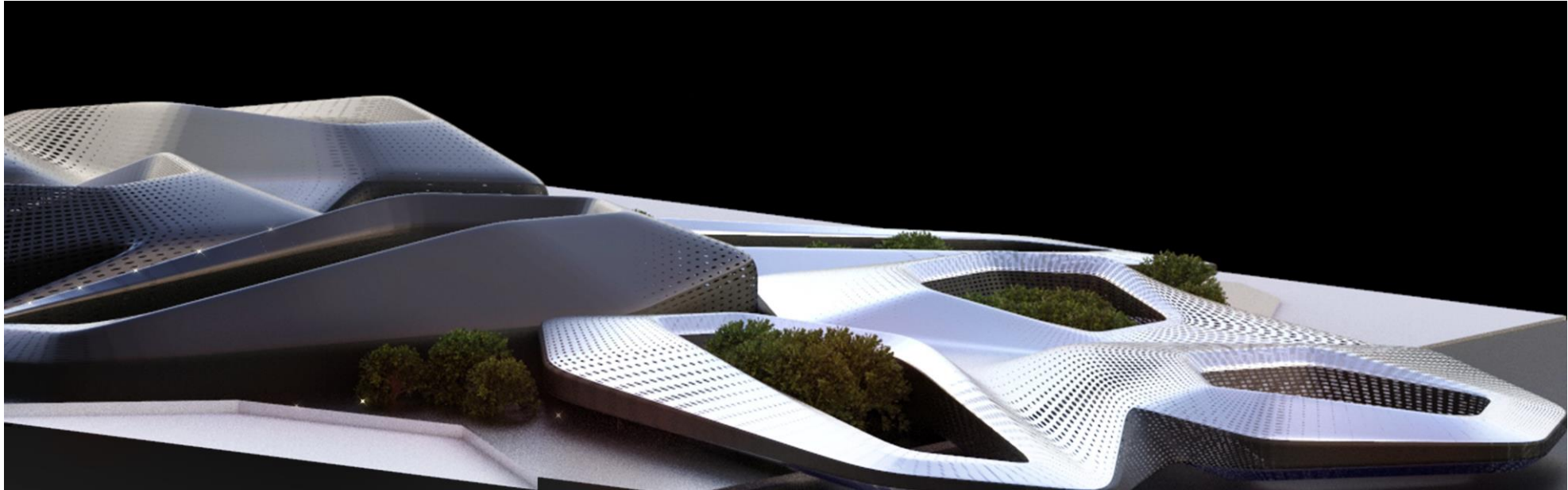
ORGANIC NOISE Pavilion

The design of this pavilion was thought taking as a reference the sound flow that propagates from the outside to the inside of the courtyard. The Building is an organic architecture sensitive to sound waves coming from the outside, the architecture almost alive, moves and closes in front of and near the train, but remains open in the rear elevation, however allowing the entrance so as to favor the sound absorption inside.

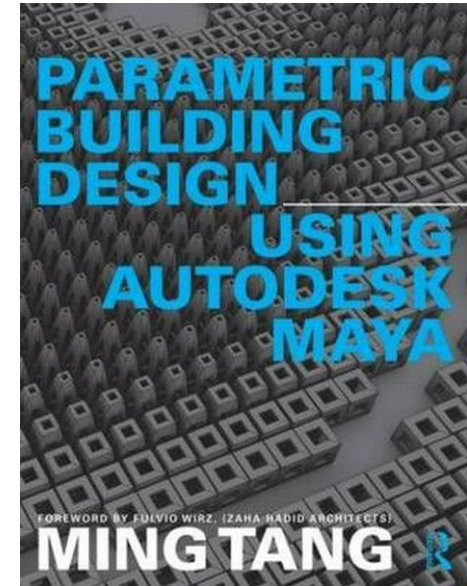
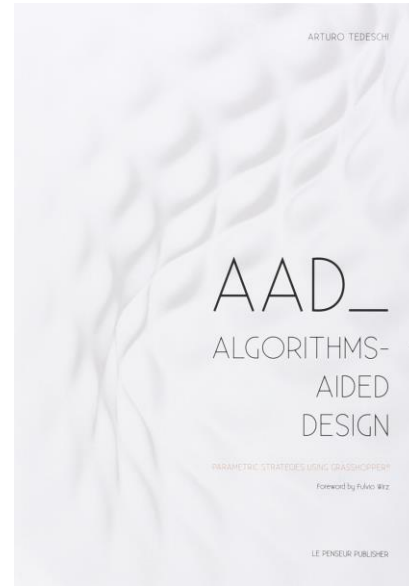
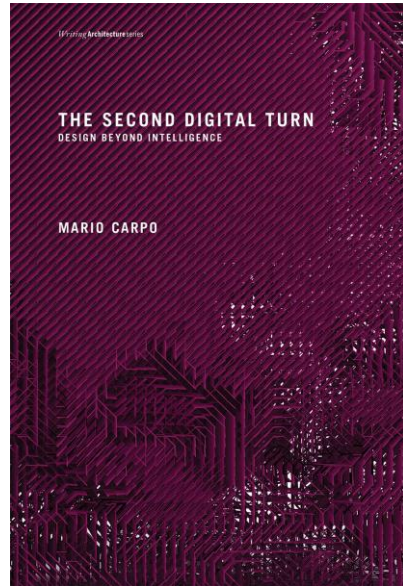
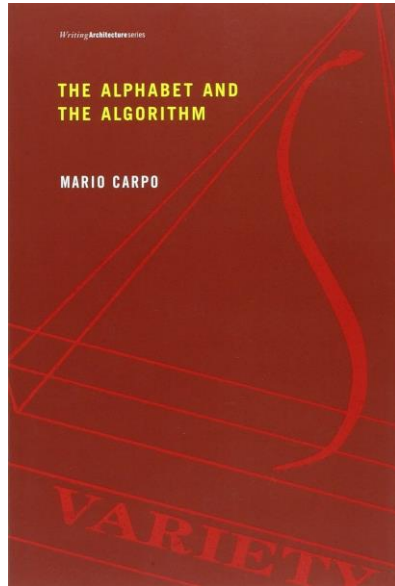




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Durata Corso: tot. 30 ore – Mese di Luglio – 2CFU

- **N. Max. studenti: 25**
- **Progetto individuale o in gruppo (max. 3 studenti)**
- **Consegna: File PDF Portfolio + Files digitali, Immagini, Video**
- **È richiesta una conoscenza base di Rhinoceros (Disegno II)**

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





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