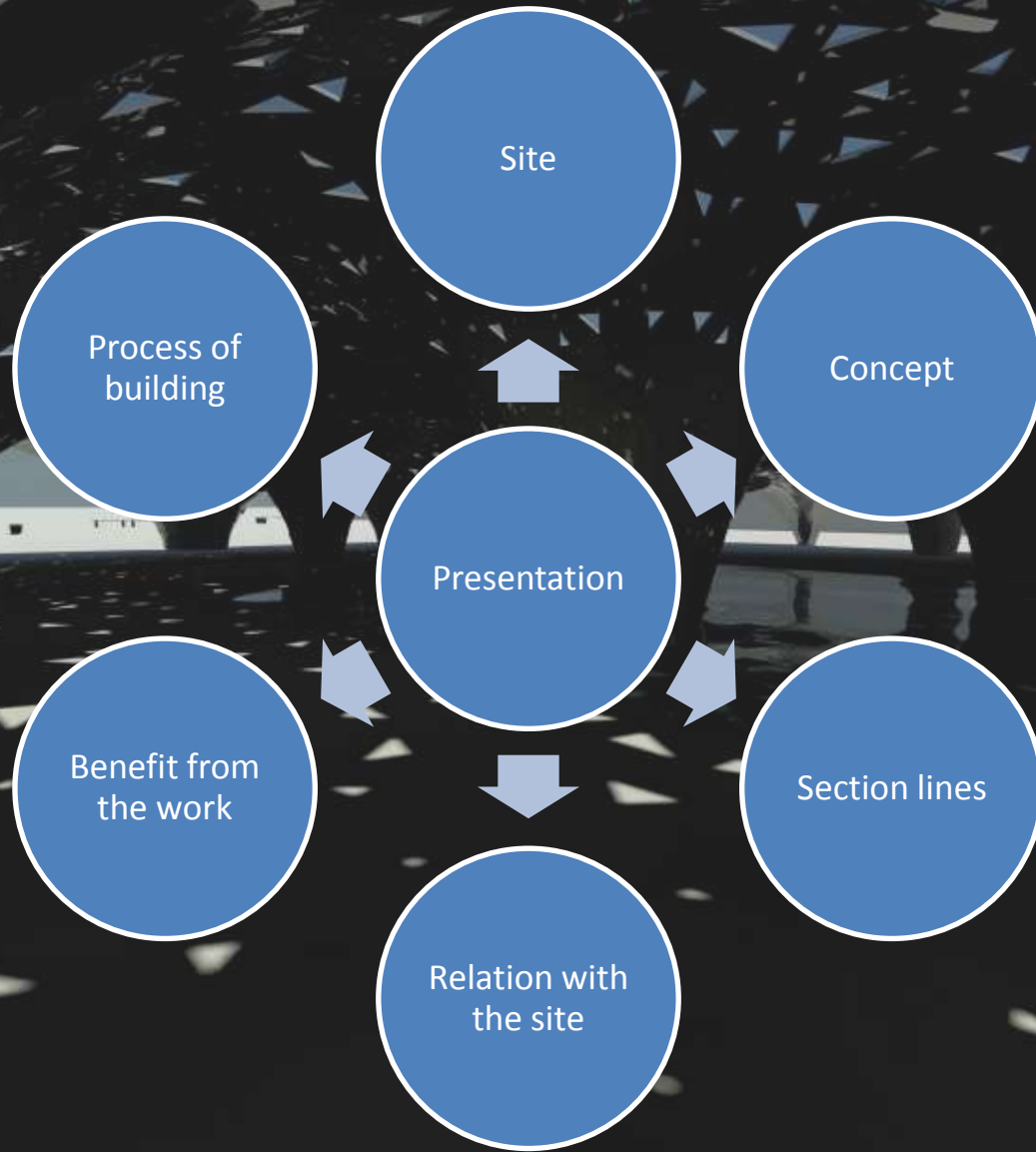




Jupiter Architecture Group

Jehad Alsamman
Abdullrahman kheir Allah
Gina Touchan



the Site









Relation with the side



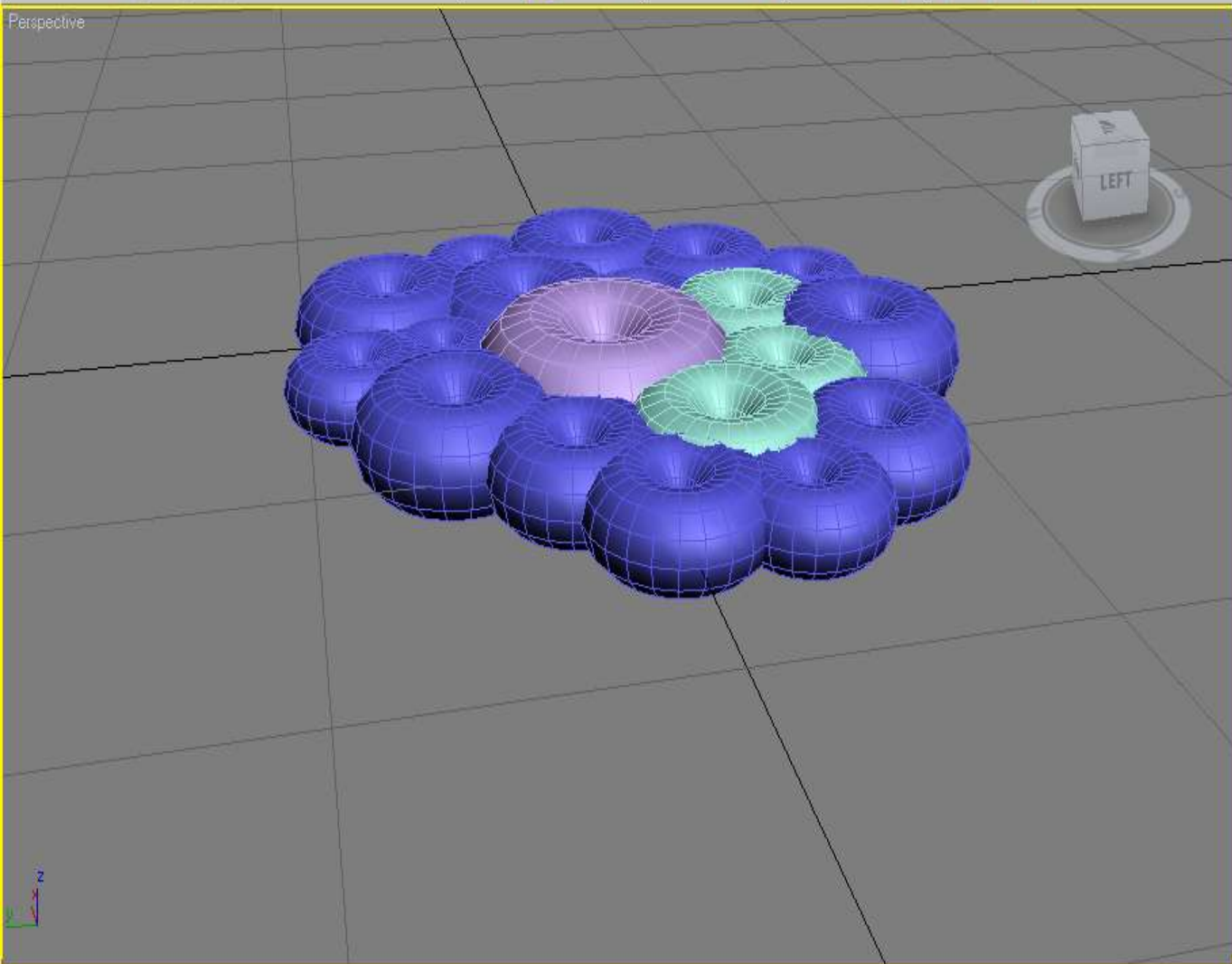
Concept

- we needed to provide shadow area around the fountain area so we thought about the mushroom shape .
- we took some lines from mushroom shape and merge it with lines took from the canopy and produce the shape we have .

Section lines







Perspective

Modifier List

0 / 100

None Selected X: -3.979 Y: -1.027 Z: 0.0 Grid = 10.0

Auto Key Selected

Set Key Key Filters...

08:14 p 2011/05/22

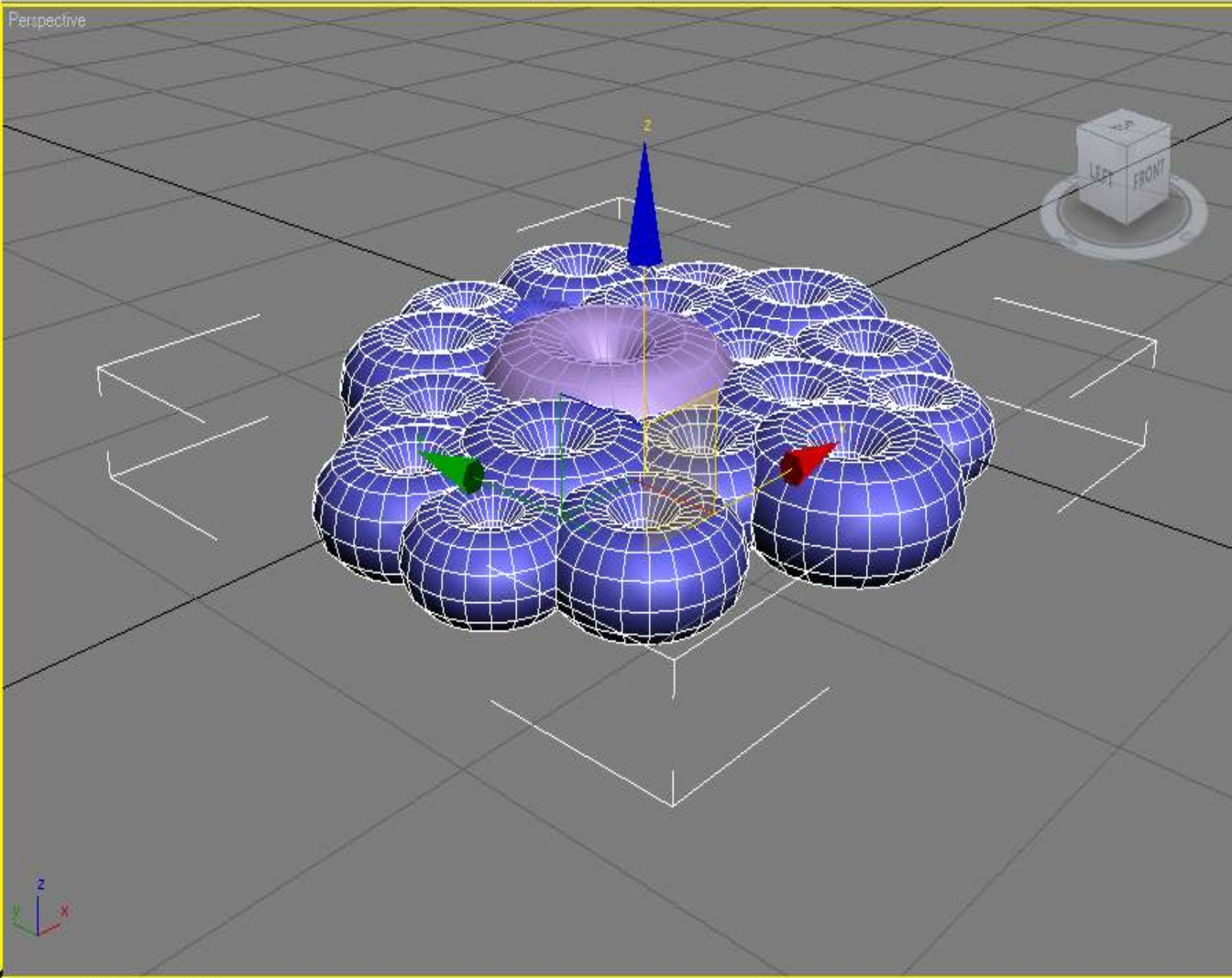
0 / 100

None Selected X: -3.979 Y: -1.027 Z: 0.0 Grid = 10.0

Click and drag to select and move objects

AXScript.

Add Time Tag



Torus17

Modifier List

- ProBoolean

Parameters

Operation:

- Union
- Intersection
- Subtraction
- Merge

Inprint Cookie

Display

- Result
- Operands

Apply Material

- Apply Operand Material
- Retain Original Material

Sub-object Operations

Extract Selected

Remove Copy Inst

Reorder Ops: 0

Change Operation

Pick Boolean

Start Picking

- Reference Copy
- Move Instance

Technology by nPowerSoftware
a Division of IntegrityWare, Inc.

- 0: Union - Torus17
- 1: Union - Torus18
- 2: Union - Torus19
- 3: Union - Torus09
- 4: Union - Torus08
- 5: Union - Torus10
- 6: Union - Torus11
- 7: Union - Torus12
- 8: Union - Torus13
- 9: Union - Torus16
- 10: Union - Torus15
- 11: Union - Torus14
- 12: Union - Torus04
- 13: Union - Torus05

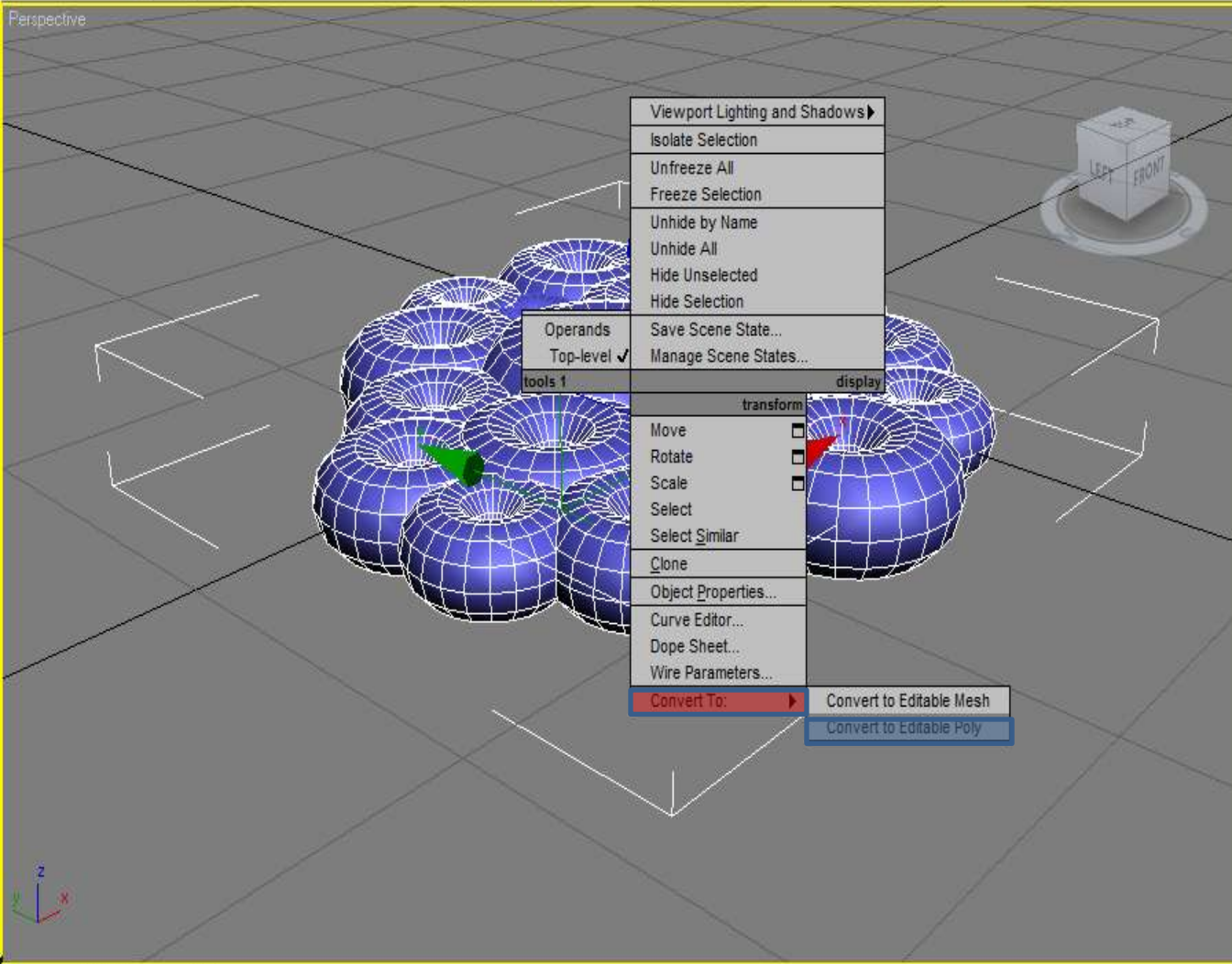
Advanced Options



1 Object Selected
Click and drag to select and move objects

Auto Key Selected

Set Key Key Filters...



Torus17

Modifier List

- ProBoolean

Parameters

Operation:

- Union
- Intersection
- Subtraction Imprint
- Merge Cookie

Display

- Result
- Operands

Apply Material

- Apply Operand Material
- Retain Original Material

Sub-object Operations

Extract Selected

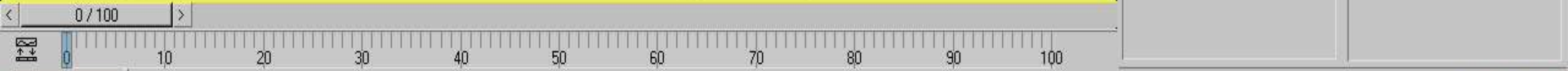
- Remove
- Copy
- Inst

Reorder Ops: 0

Change Operation

0: Union - Torus17
 1: Union - Torus18
 2: Union - Torus19
 3: Union - Torus09
 4: Union - Torus08
 5: Union - Torus10
 6: Union - Torus11
 7: Union - Torus12
 8: Union - Torus13
 9: Union - Torus16
 10: Union - Torus15
 11: Union - Torus14
 12: Union - Torus04
 13: Union - Torus05

Advanced Options

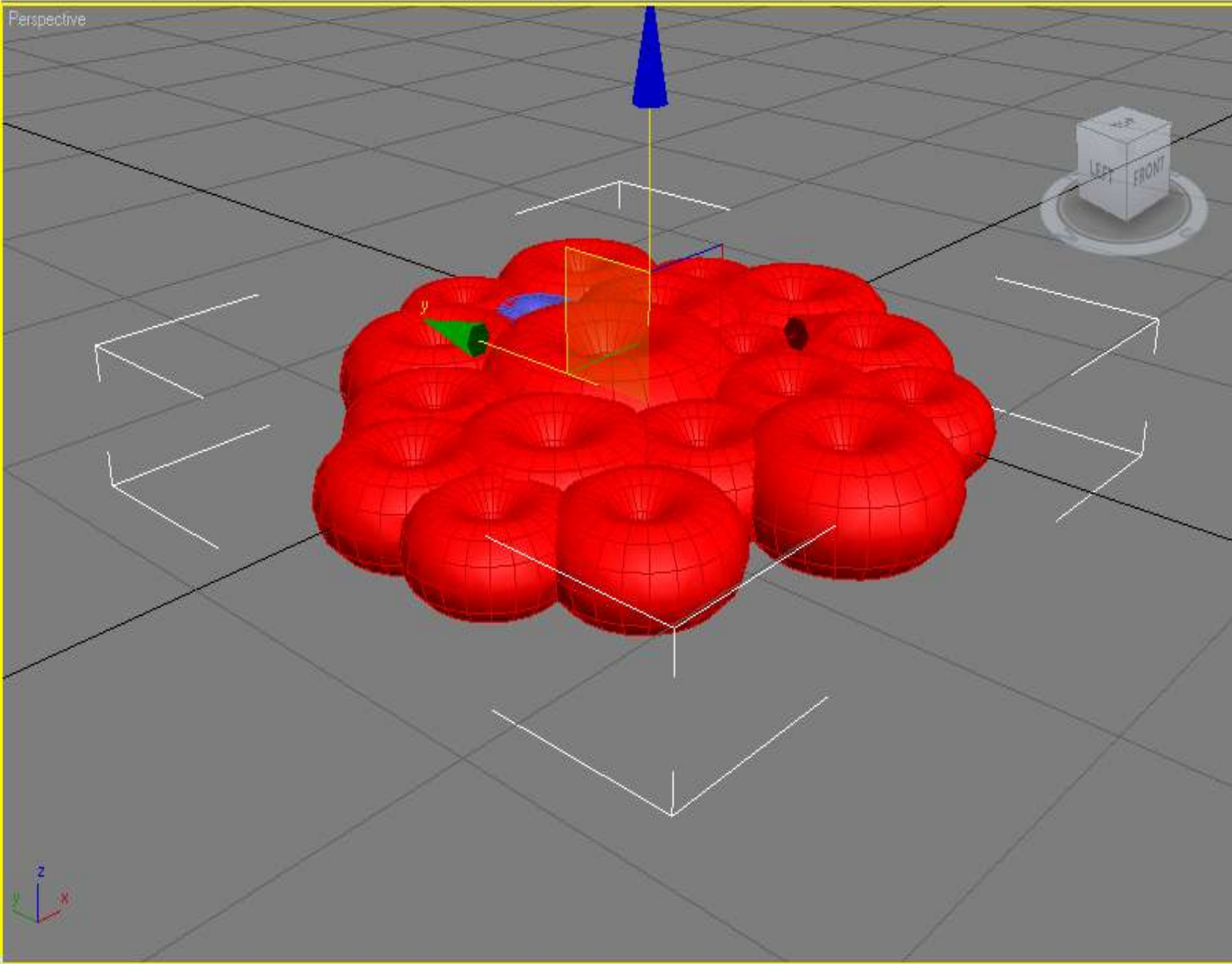


1 Object Selected

MAXScript. Click and drag to select and move objects

Auto Key Selected

Set Key Key Filters...



Torus17

Modifier List

- Editable Poly

Edit Polygons

Insert Vertex

Extrude Outline

Bevel Inset

Bridge Flip

Hinge From Edge

Extrude Along Spline

Edit Triangulation

Retriangulate Turn

Selection

By Vertex

Ignore Backfacing

By Angle: 45.0

Shrink Grow

Ring Loop

Preview Selection

Off SubObj Multi

4340 Polygons Selected

Soft Selection

Edit Geometry

Repeat Last

Constraints

None Edge

Face Normal

Preserve UVs

Create Collapse

Attach Detach

Slice Plane Split

Slice Reset Plane

QuickSlice Cut

MSmooth Tessellate

Make Planar X Y Z

View Align Grid Align

Relax

Hide Selected Unhide All

Hide Unselected



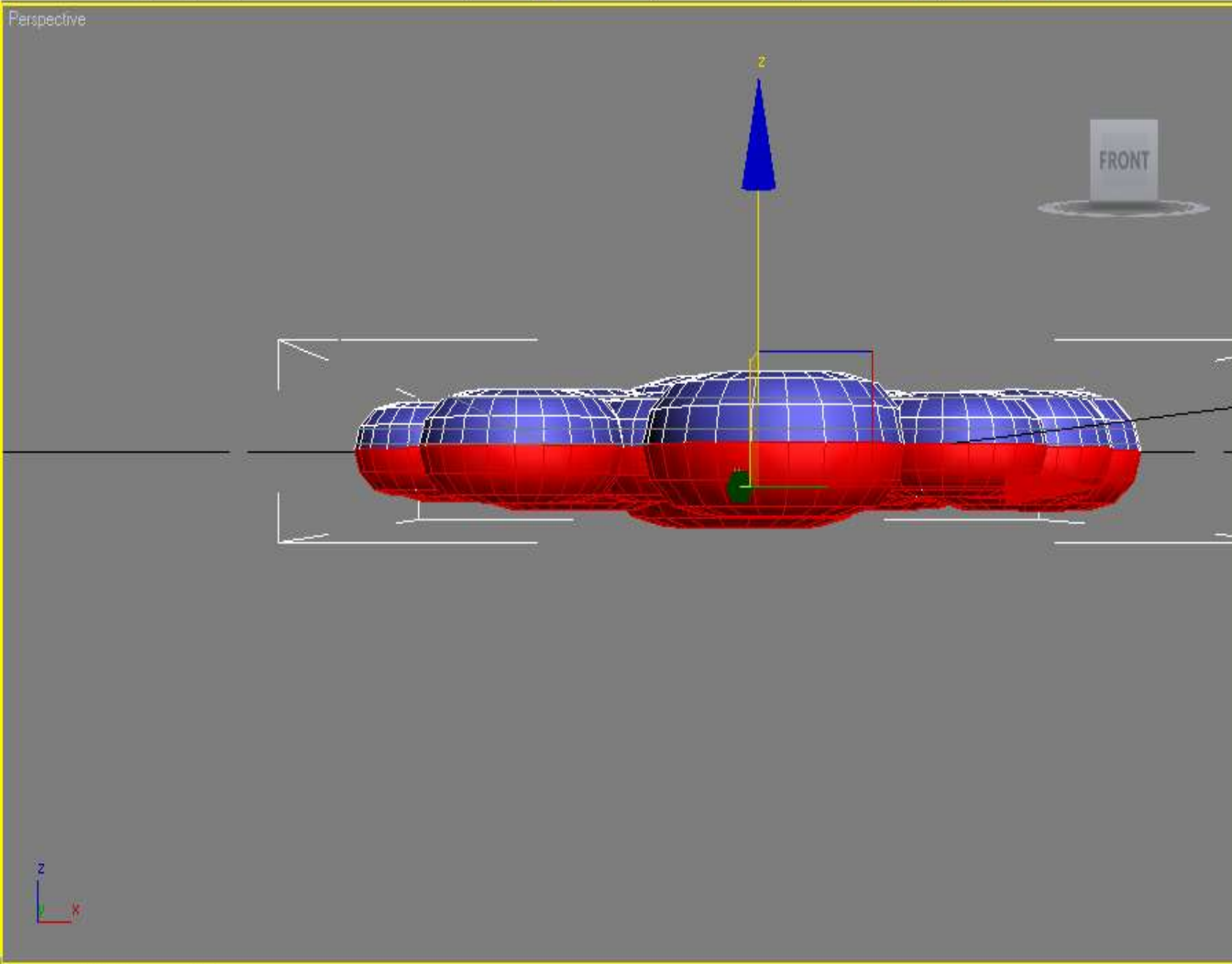
1 Object Selected

MAXScript. Click or click-and-drag to select objects

Add Time Tag

Auto Key Selected

Set Key Key Filters...



Torus17

Modifier List

- Editable Poly

Selection

- By Vertex
- Ignore Backfacing
- By Angle: 45.0

Shrink Grow

Ring Loop

Preview Selection

- Off
- SubObj
- Multi

2170 Polygons Selected

Soft Selection

Edit Polygons

Insert Vertex

- Extrude Outline
- Bevel Inset
- Bridge Flip
- Hinge From Edge
- Extrude Along Spline

Edit Triangulation

- Retriangulate Turn

Edit Geometry

Repeat Last

Constraints

- None
- Edge
- Face
- Normal

- Preserve UVs

Create Collapse

Attach Detach

Slice Plane Split

Slice Reset Plane

QuickSlice Cut

MSmooth Tessellate

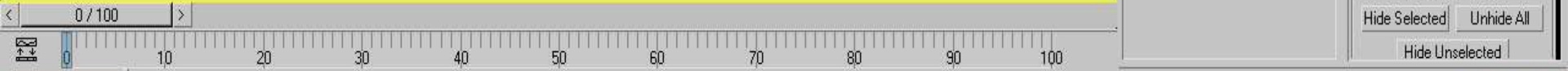
Make Planar X Y Z

View Align Grid Align

Relax

Hide Selected Unhide All

Hide Unselected

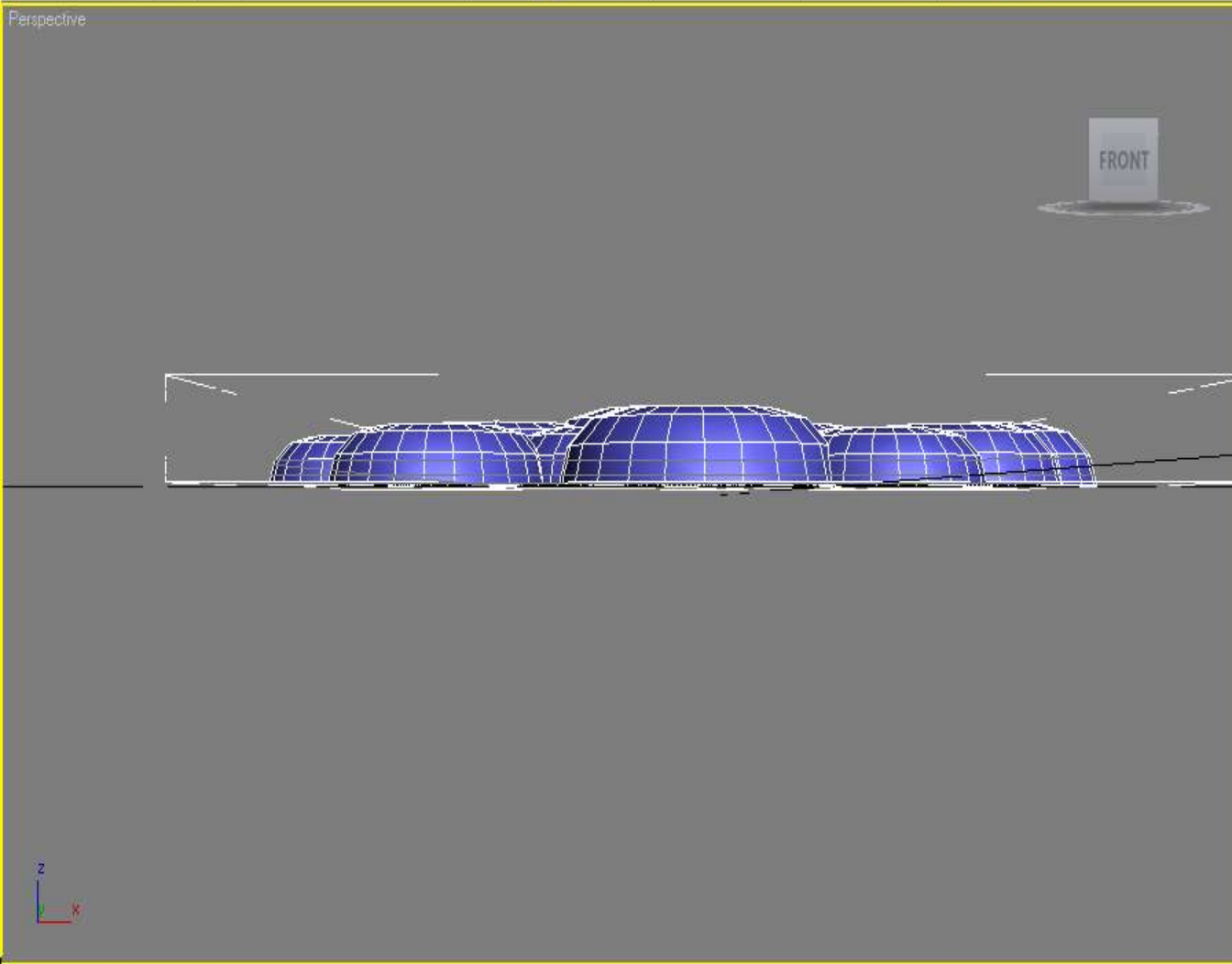


1 Object Selected

MAXScript. Click or click-and-drag to select objects

Auto Key Selected

Set Key Key Filters...



Torus17

Modifier List

- Editable Poly

Selection

- By Vertex
- Ignore Backfacing
- By Angle: 45.0

Shrink Grow

Ring Loop

Preview Selection

- Off
- SubObj
- Multi

0 Polygons Selected

Soft Selection

Edit Polygons

Insert Vertex

- Extrude Outline
- Bevel Inset
- Bridge Flip
- Hinge From Edge
- Extrude Along Spline
- Edit Triangulation
- Retriangulate Turn

Edit Geometry

Repeat Last

Constraints

- None
- Edge
- Face
- Normal

Preserve UVs

Create Collapse

Attach Detach

Slice Plane Split

Slice Reset Plane

QuickSlice Cut

MSmooth Tessellate

Make Planar X Y Z

View Align Grid Align

Relax

Hide Selected Unhide All

Hide Unselected



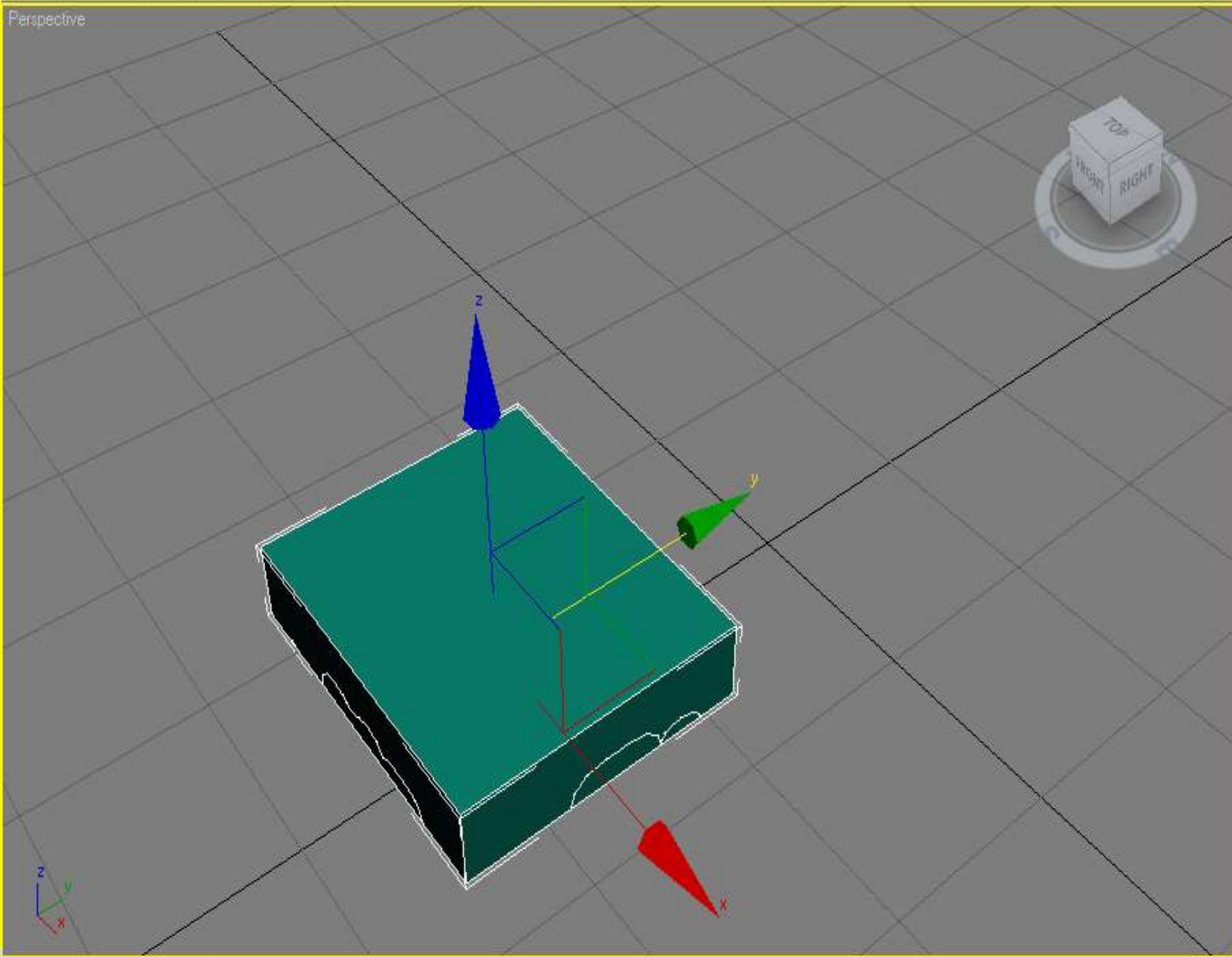
1 Object Selected

MAXScript. Click or click-and-drag to select objects

Grid = 10.0

Auto Key Selected

Set Key Key Filters...



Compound Objects

Object Type

- AutoGrid
- Morph
- Scatter
- Conform
- Connect
- BlobMesh
- ShapeMerge
- Boolean
- Terrain
- Loft
- Meshmer
- ProBoolean
- ProCutter

Name and Color

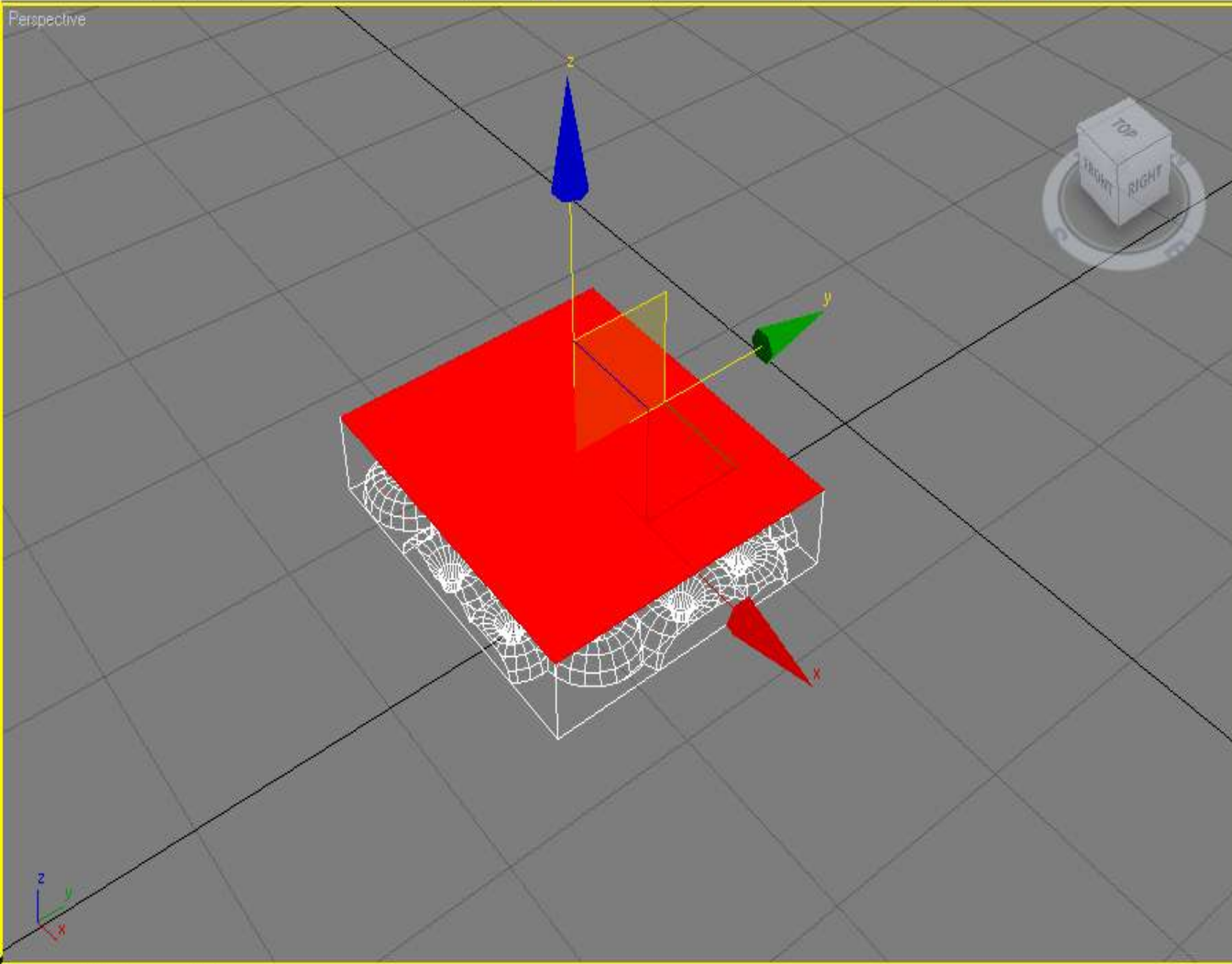
Box01



1 Object Selected X: -3.405 Y: -16.404 Z: 0.0 Grid = 10.0

MAXScript. Click and drag to select and move objects Add Time Tag

Auto Key Selected Key Filters... 0



Box01

Modifier List

- Editable Poly

Edit Polygons

Insert Vertex

Extrude Outline

Bevel Inset

Bridge Flip

Hinge From Edge

Extrude Along Spline

Edit Triangulation

Retriangulate Turn

Selection

By Vertex

Ignore Backfacing

By Angle: 45.0

Shrink Grow

Ring Loop

Preview Selection

Off SubObj Multi

Polygon 1 Selected

Edit Geometry

Repeat Last

Constraints

None Edge

Face Normal

Preserve UVs

Create Collapse

Attach Detach

Slice Plane Split

Slice Reset Plane

QuickSlice Cut

Soft Selection

MSmooth Tessellate

Make Planar X Y Z

View Align Grid Align

Relax

Hide Selected Unhide All

Hide Unselected

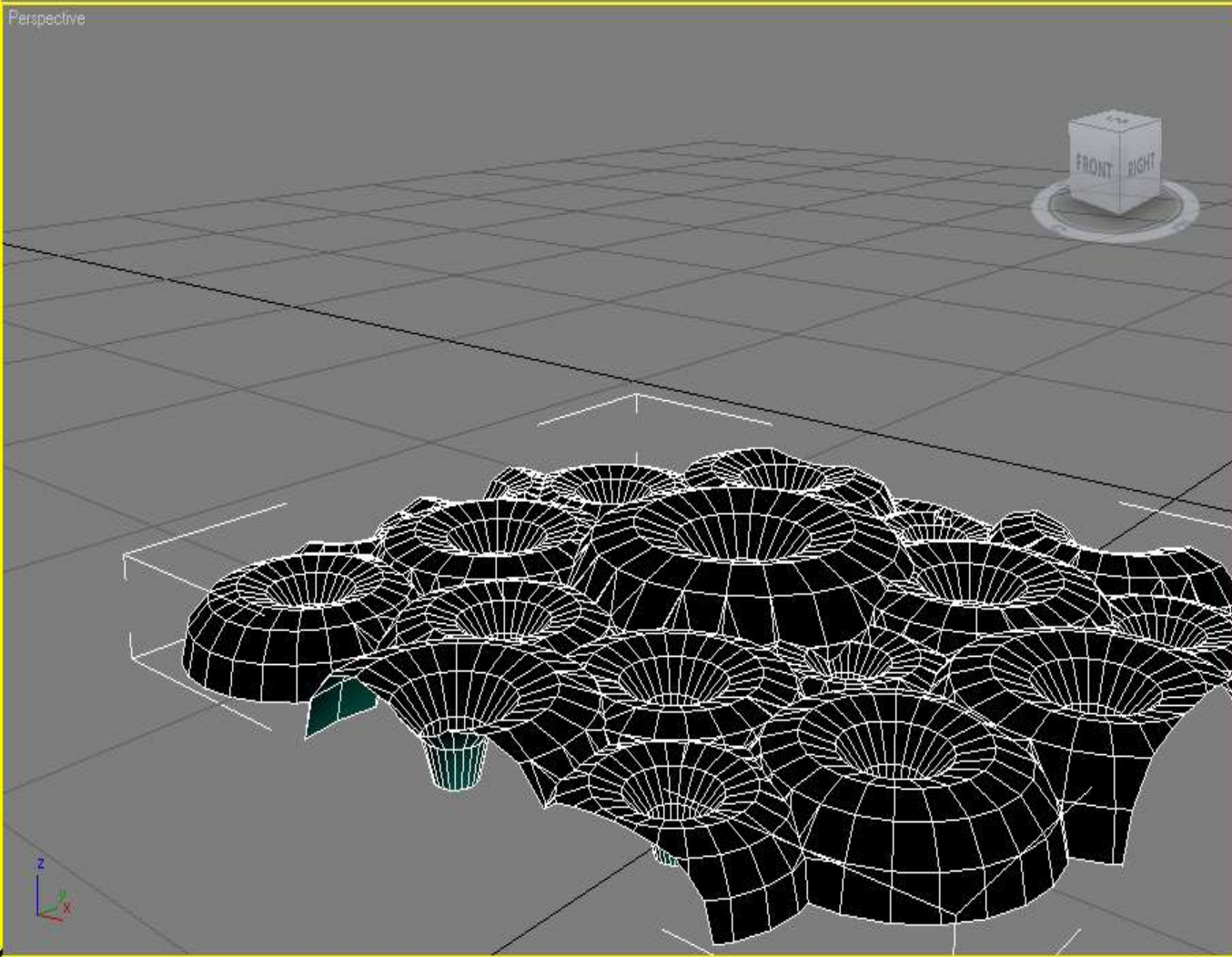
1 Object Selected

MAXScript. Click or click-and-drag to select objects

Add Time Tag

Auto Key Selected

Set Key Key Filters...



Box01

Modifier List

- Editable Poly

Selection

- By Vertex
- Ignore Backfacing
- By Angle: 45.0

Shrink Grow

Ring Loop

Preview Selection

- Off
- SubObj
- Multi

0 Polygons Selected

Soft Selection

Edit Polygons

Insert Vertex

- Extrude Outline
- Bevel Inset
- Bridge Flip
- Hinge From Edge
- Extrude Along Spline

Edit Triangulation

Retriangulate Turn

Edit Geometry

Repeat Last

Constraints

- None
- Edge
- Face
- Normal

Preserve UVs

Create Collapse

Attach Detach

Slice Plane Split

Slice Reset Plane

QuickSlice Cut

MSmooth Tessellate

Make Planar X Y Z

View Align Grid Align

Relax

Hide Selected Unhide All

Hide Unselected

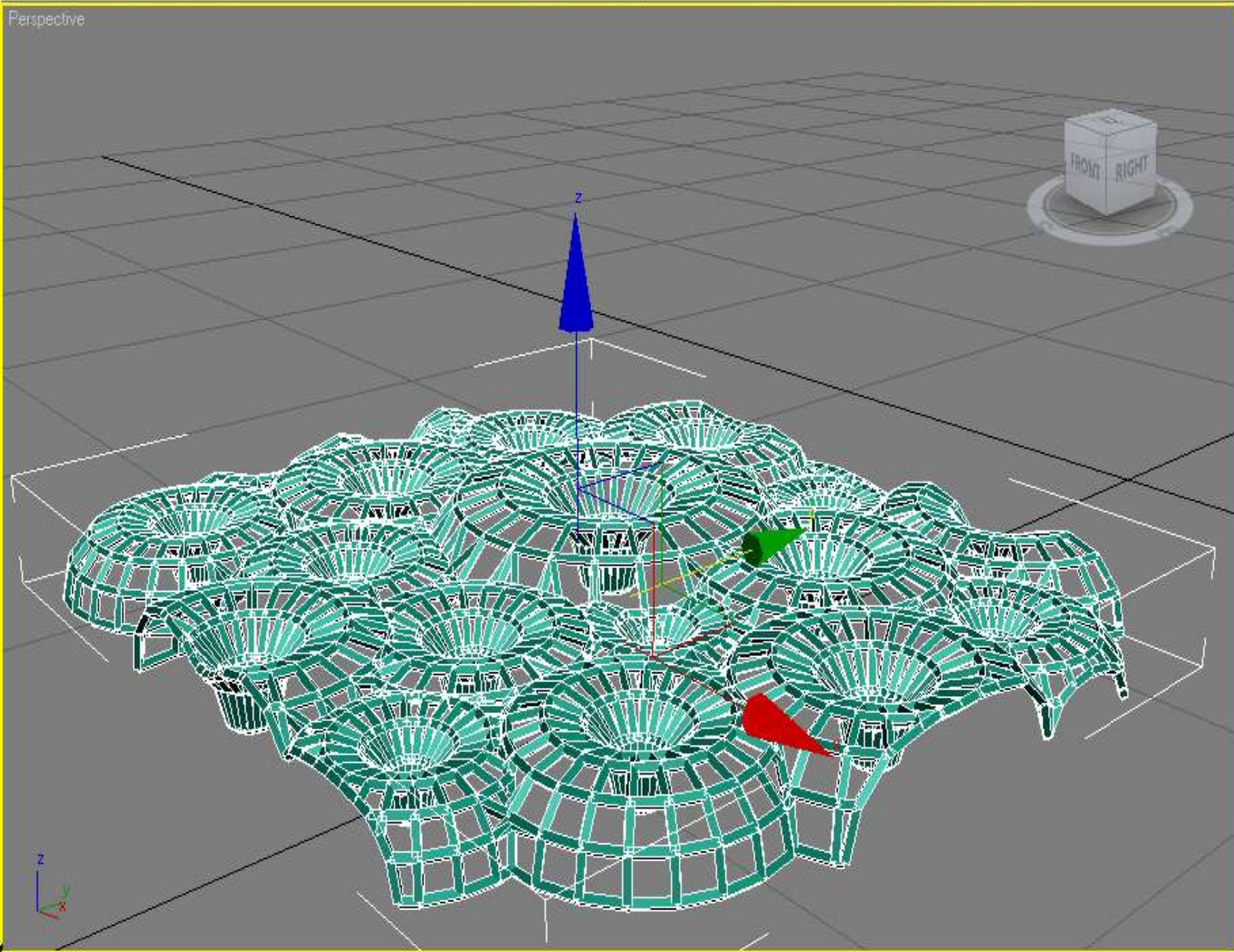


1 Object Selected
MAXScript. Click or click-and-drag to select objects

Auto Key Selected

Set Key Key Filters...

0



Box01

Modifier List

- Lattice
- Editable Poly

Parameters

Geometry

- Apply to Entire Object
- Joints Only from Vertices
- Struts Only from Edges
- Both

Struts

Radius: 0.1

Segments: 1

Sides: 4

Material ID: 1

- Ignore Hidden Edges
- End Caps
- Smooth

Joints

Geodesic Base Type

Tabs Data Lines

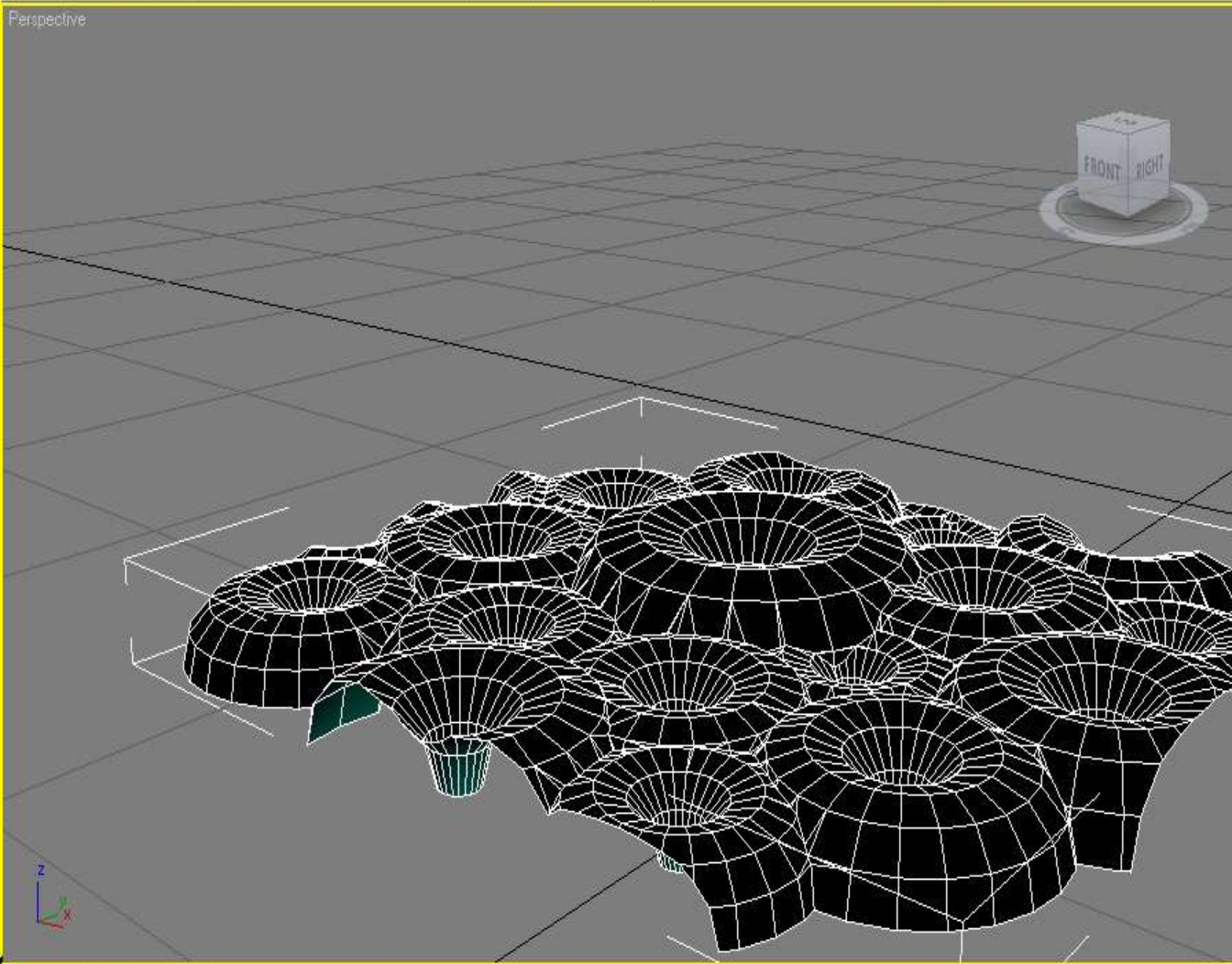


1 Object Selected
Click and drag to select and move objects
MAXScript.
Add Time Tag

Auto Key Selected

Set Key Key Filters...

0



Box01

Modifier List

- Editable Poly

Selection

- By Vertex
- Ignore Backfacing
- By Angle: 45.0

Shrink Grow

Ring Loop

Preview Selection

- Off
- SubObj
- Multi

0 Polygons Selected

Soft Selection

Edit Polygons

Insert Vertex

- Extrude Outline
- Bevel Inset
- Bridge Flip
- Hinge From Edge
- Extrude Along Spline

Edit Triangulation

Retriangulate Turn

Edit Geometry

Repeat Last

Constraints

- None
- Edge
- Face
- Normal

Preserve UVs

Create Collapse

Attach Detach

Slice Plane Split

Slice Reset Plane

QuickSlice Cut

MSmooth Tessellate

Make Planar X Y Z

View Align Grid Align

Relax

Hide Selected Unhide All

Hide Unselected



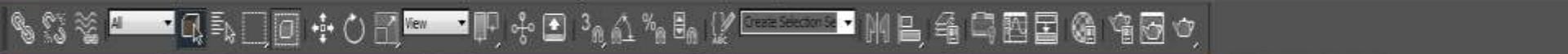
1 Object Selected

MAXScript. Click or click-and-drag to select objects

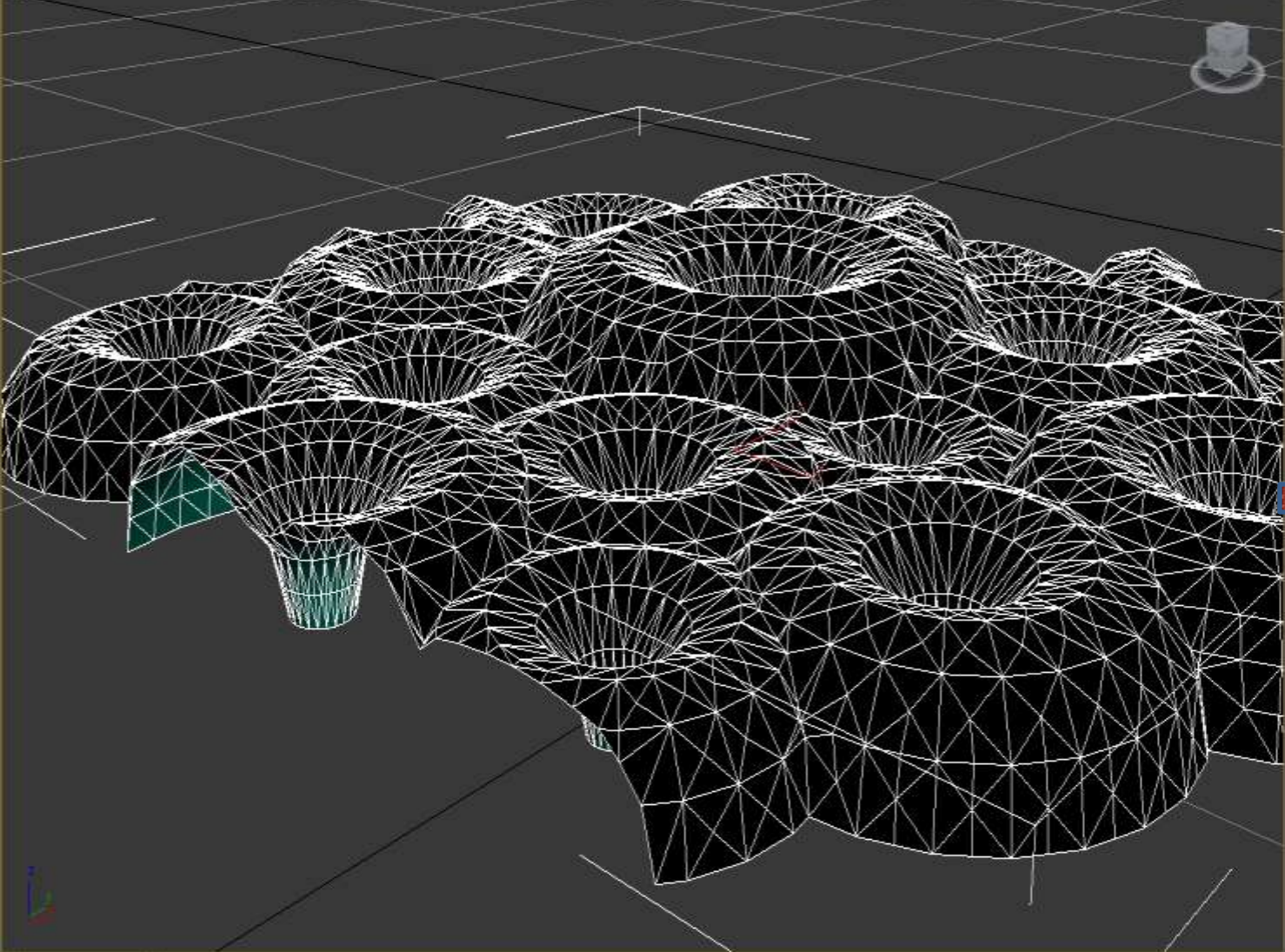
Grid = 10.0

Auto Key Selected

Set Key Key Filters...

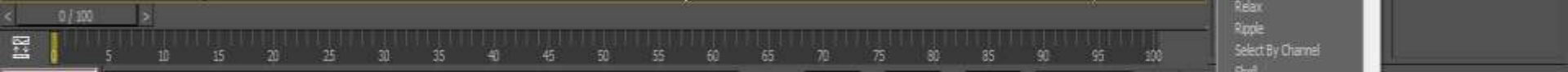


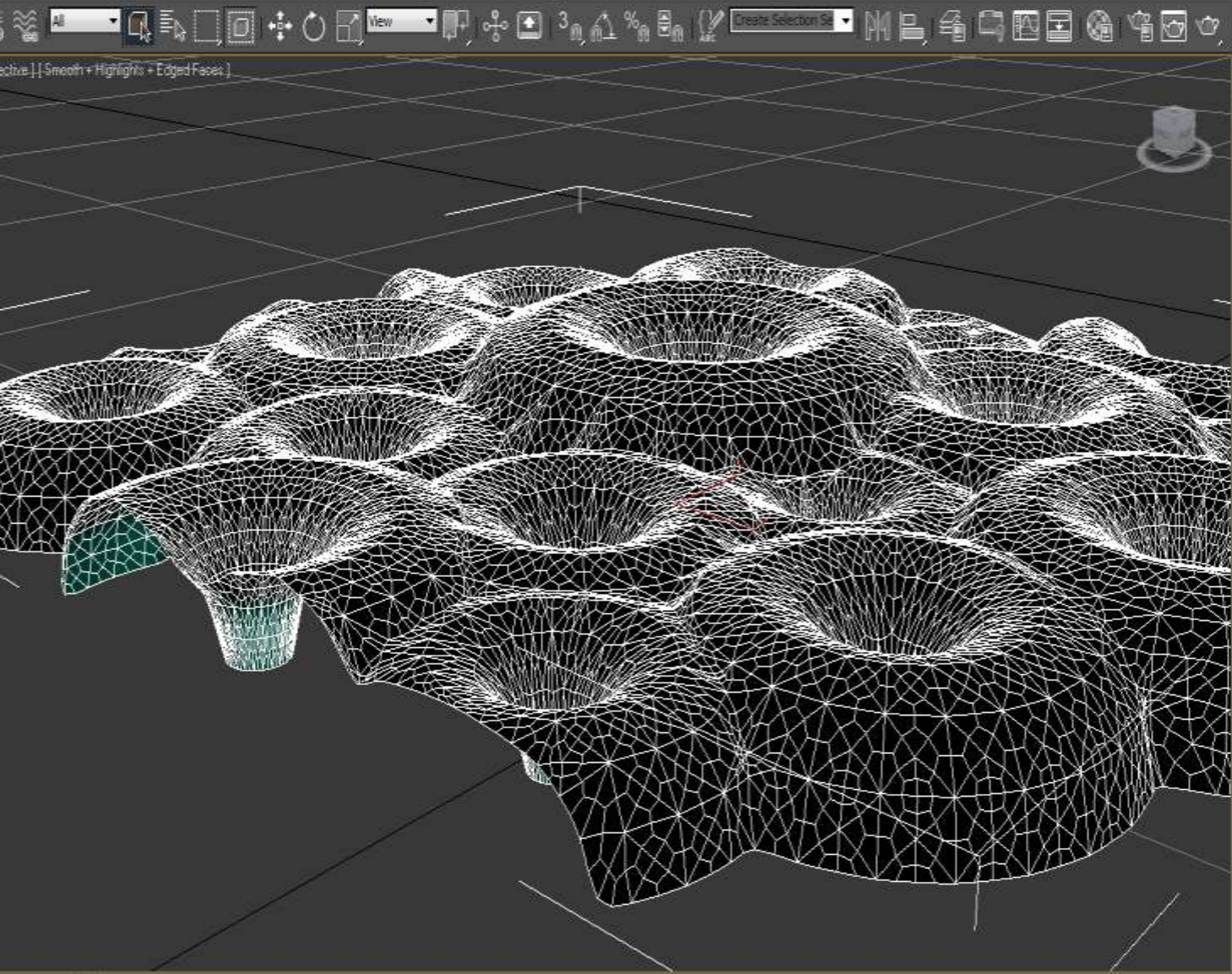
[+ | | Perspective] [Smooth + High Lights + Edged Faces]



Box01

- MapScaler
- Edit Patch
- Edit Poly
- Face Extrude
- FFD 2x2x2
- FFD 3x3x3
- FFD 4x4x4
- FFD(box)
- FFD(cyl)
- Flex
- HSDS
- Lattice
- Linked XForm
- MapScaler
- Material
- MaterialByElement
- Melt
- Mesh Select
- MeshSmooth**
- Mirror
- Morpher
- MultiRes
- Noise
- Normal
- Optimize
- Patch Select
- Patch-Deform
- Path-Deform
- Physique
- Point Cache
- Poly Select
- Preserve
- Projection
- ProOptimizer
- Push
- Quadrify Mesh
- reactor Cloth
- reactor SoftBody
- Relax
- Ripple
- Select By Channel
- Shell
- Slew





Box01

- Select By Channel
- ProOptimizer
- Push
- Quadify Mesh
- reactor Cloth
- reactor SoftBody
- Relax
- Ripple
- Select By Channel
- Shell
- Shew
- Skin
- Skin Morph
- Skin Wrap
- Skin Wrap Patch
- Slice
- Smooth
- Spherify
- Squeeze
- STL Check
- Stretch
- Subdivide**
- subsurface
- SurfDeform
- Symmetry
- Taper
- Tessellate
- TurboSmooth
- Turn to Mesh
- Turn to Patch
- Turn to Poly
- Twist
- Unwrap UVW
- UVW Map
- UVW Mapping Add
- UVW Mapping Clear
- UVW Xform
- Vertex Weld
- VertexPaint
- Vol. Select
- Wave
- Welder
- XForm

Parameters

Smoothing Parameters

Strength: 0.5

Relax: 0.0

Project to Limit Surface

Surface Parameters

Smooth Result

Separate

Materials

Smoothing Groups

Settings

Input Conversion

Operate On:

Keep Faces Convex

Update Options

Always

When Rendering

Manually

Update

Subdivision Amount

Iterations: 1

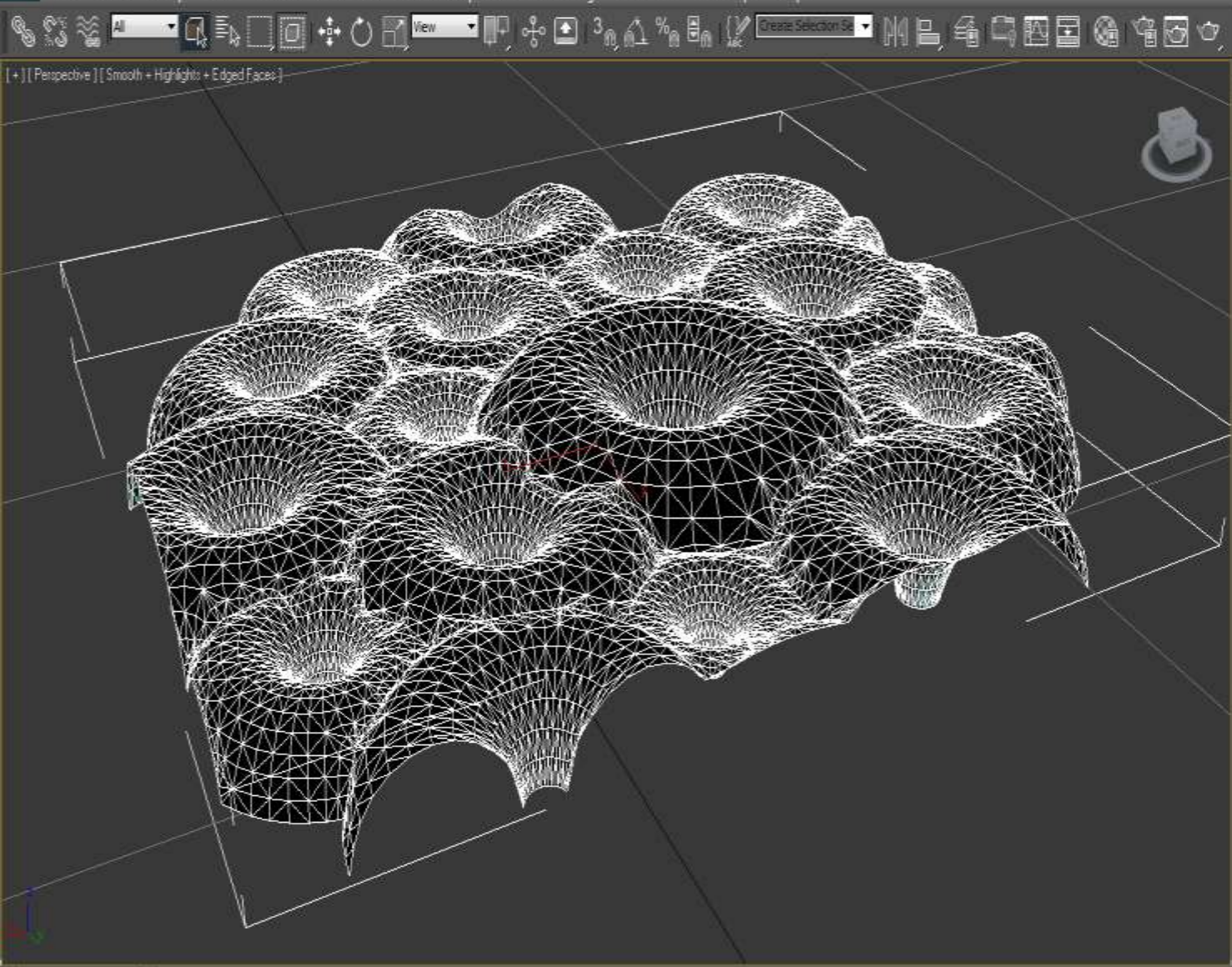
Smoothness: 1.0

Render Values:

Iterations: 0

Smoothness: 1.0

Resets



Box01

Modifier List

- Subdivide
- MeshSmooth
- Editable Poly

Parameters

Size: 1.928

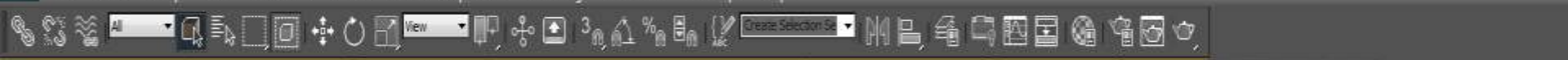
Update

- Automatic
- Render
- Manual

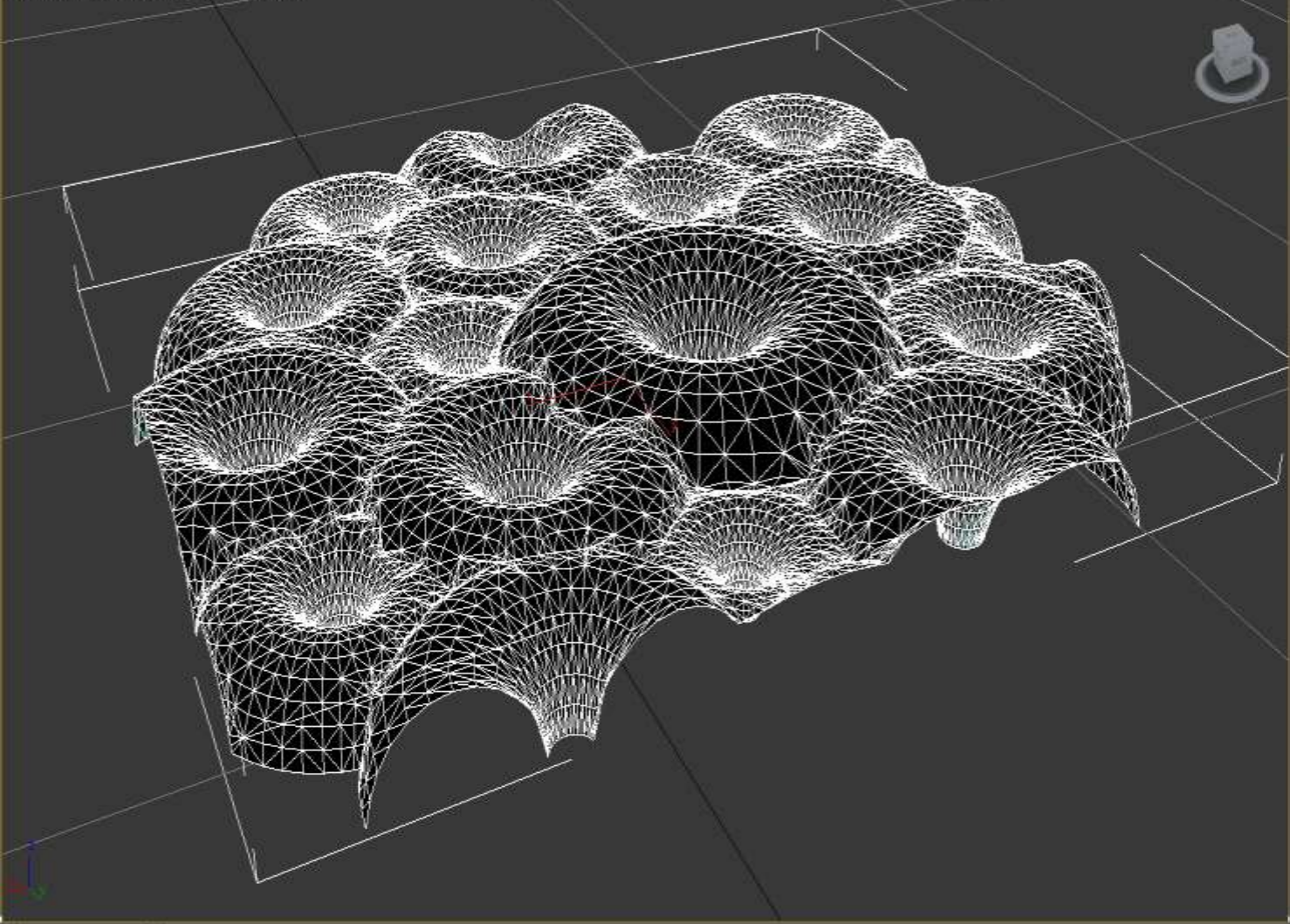
Update Now

Display Subdivision





[+] Perspective [Smooth + Highlights + Edged Faces]

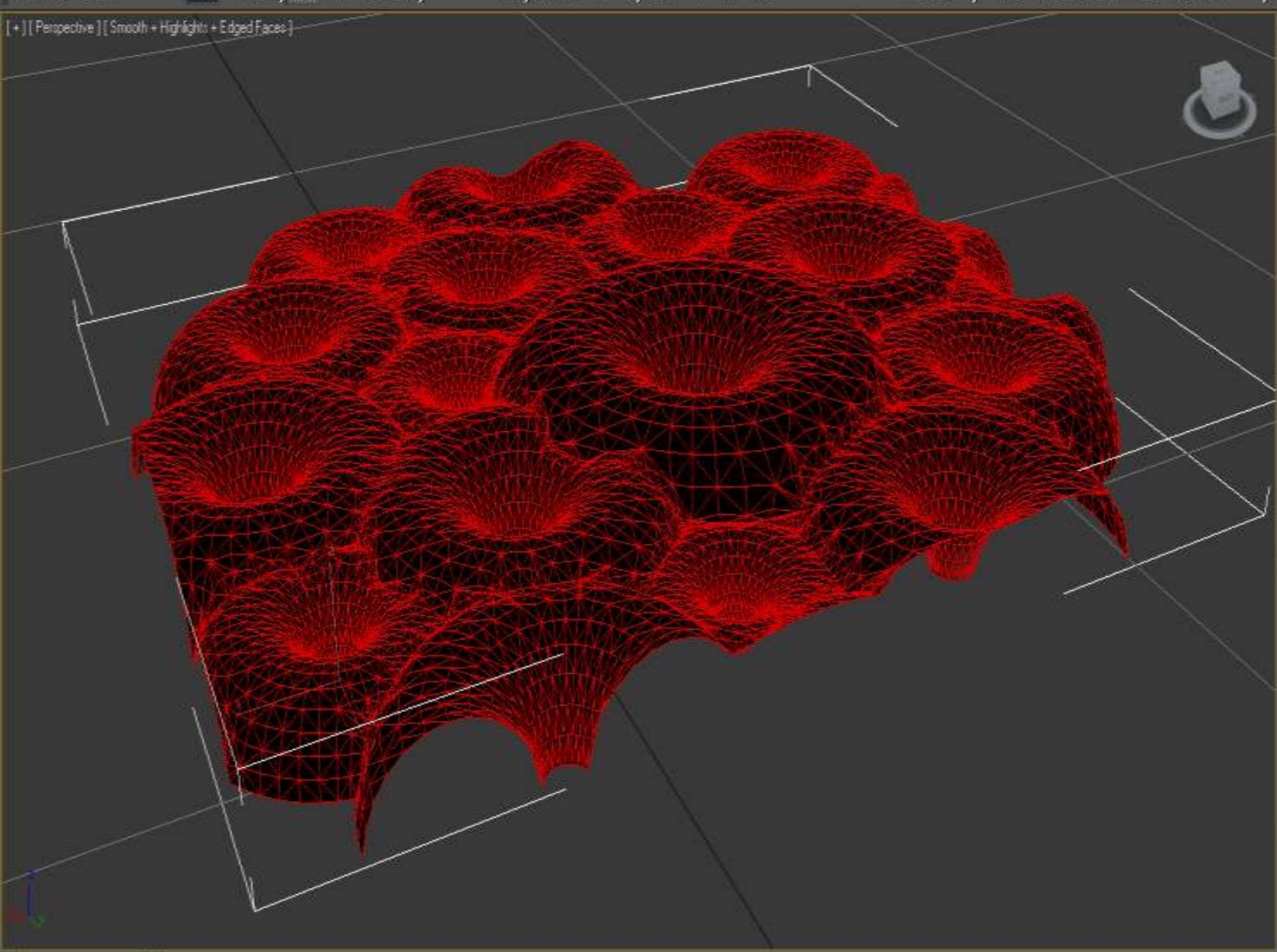


Box01

- Edit Mesh
- Edit Mesh
- Edit Normals
- Edit Paths
- Edit Poly**
- Face Extrude
- FFD 2x2x2
- FFD 3x3x3
- FFD 4x4x4
- FFD(box)
- FFD(cyl)
- Flex
- HSDS
- Lattice
- Linked XForm
- MapScaler
- Material
- MaterialByElement
- Melt
- Mesh Select
- MeshSmooth
- Mirror
- Morpher
- MultiRes
- Noise
- Normal
- Optimize
- Patch Select
- PatchDeform
- PathDeform
- Physique
- Point Cache
- Poly Select
- Preserve
- Projection
- ProOptimizer
- Push
- Quadrify Mesh
- reactor Cloth
- reactor SoftBody
- Relax
- Ripple
- Select By Channel



1 Object Selected
Welcome to 3ds Max
Click or click-and-drag to select objects
Add Time Tag
Set Key
Key Filters...



Box01

Modifier List

- Edit Poly
- Subdivide
- MeshSmooth
- Editable Poly

Edit Edges

Insert Vertex

Remove Split

Extrude Weld

Chamfer Target Weld

Bridge Connect

Create Shape

Edit Tri Turn

Edit Poly Mode

Model Animate

<No Current Operation>

Commit

Settings Cancel

Show Cage

Selection

Use Stack Selection

By Vertex

Ignore Backfacing

By Angle: 45.0

Shrink Grow

Ring Loop

Get Stack Selection

Preview Selection

Off SubObj Multi

27066 Edges Selected

Soft Selection

Edit Geometry

Repeat Last

Constraints

None Edge

Face Normal

Preserve UVs

Create Collapse

Attach Detach

Slice Plane Split

Slice Reset Plane

QuickSlice Cut

MSmooth Tessellate

Make Planar X Y Z

View Align Grid Align

Relax

Hide Selected Unhide All

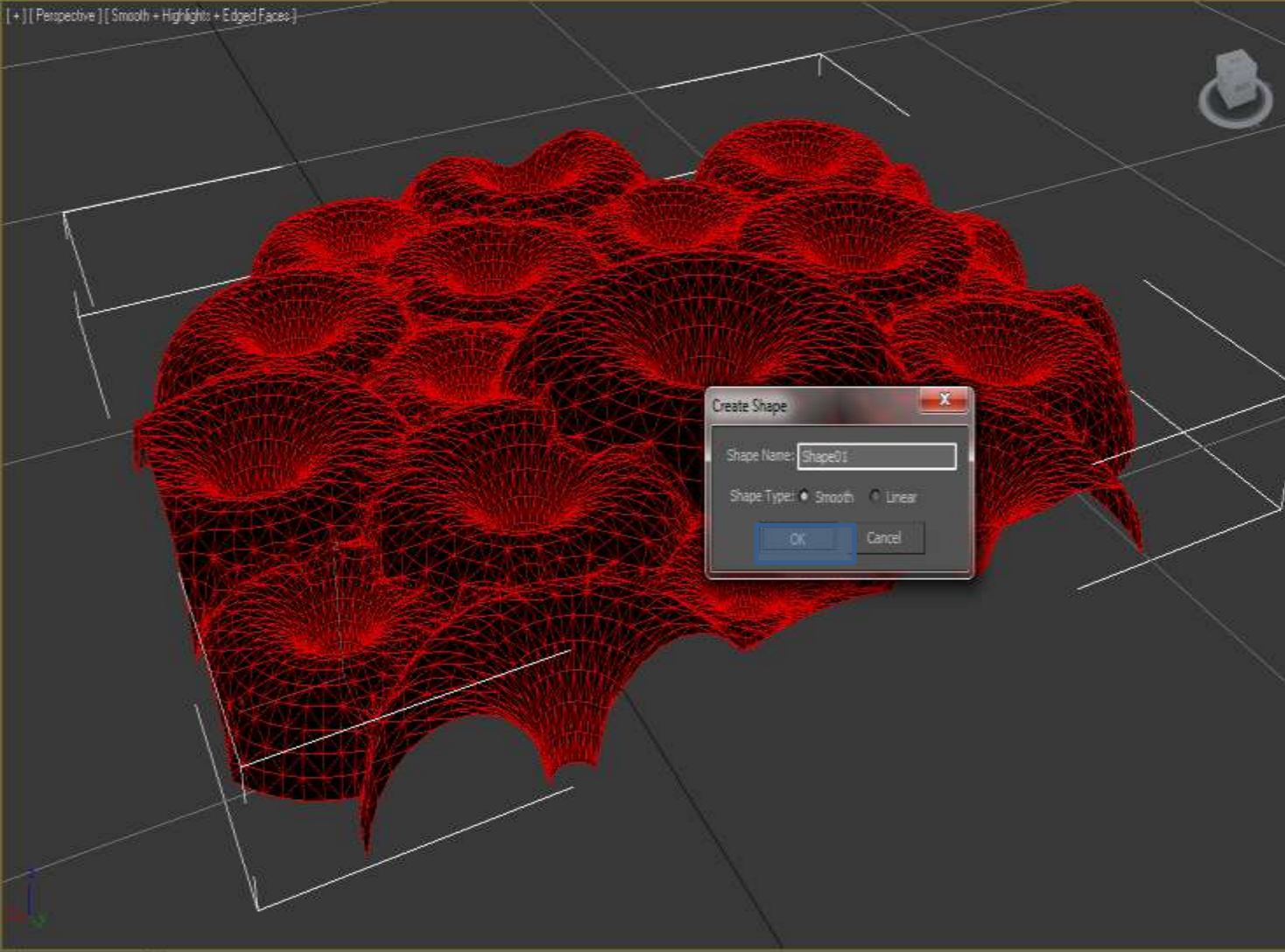
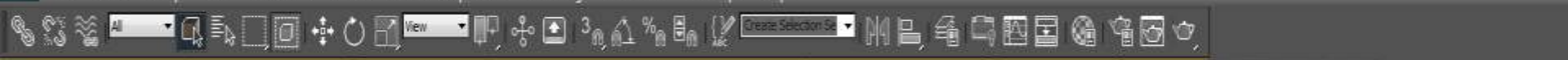
Hide Unselected

Named Selections

Copy Paste

Delete Isolated Vertices

Paint Deformation



Create Shape

Shape Name:

Shape Type: Smooth Linear

Box01

Modifier List

- Edit Poly
- Subdivide
- MeshSmooth
- Editable Poly

Edit Edges

Insert Vertex

Remove Split

Extrude Weld

Chamfer Target Weld

Bridge Connect

Create Shape

Edit Tri. Turn

Edit Poly Mode

Model Animate

<No Current Operation>

Show Cage

Edit Geometry

Repeat Last

Constraints

None Edge

Face Normal

Preserve UVs

Create Collapse

Attach Detach

Selection

Use Stack Selection

By Vertex

Ignore Backfacing

By Angle:

Shrink Grow

Ring Loop

Get Stack Selection

Preview Selection

Off SubObj Multi

27066 Edges Selected

Soft Selection

Slice Plane Split

Slice Reset Plane

QuickSlice Cut

MSmooth Tessellate

Make Planar X Y Z

View Align Grid Align

Relax

Hide Selected Unhide All

Hide Unselected

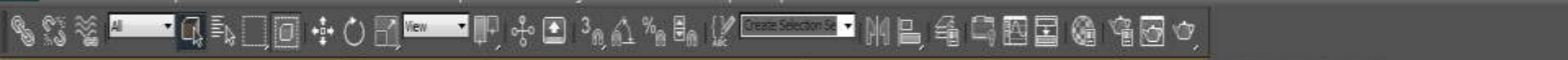
Named Selections:

Copy Paste

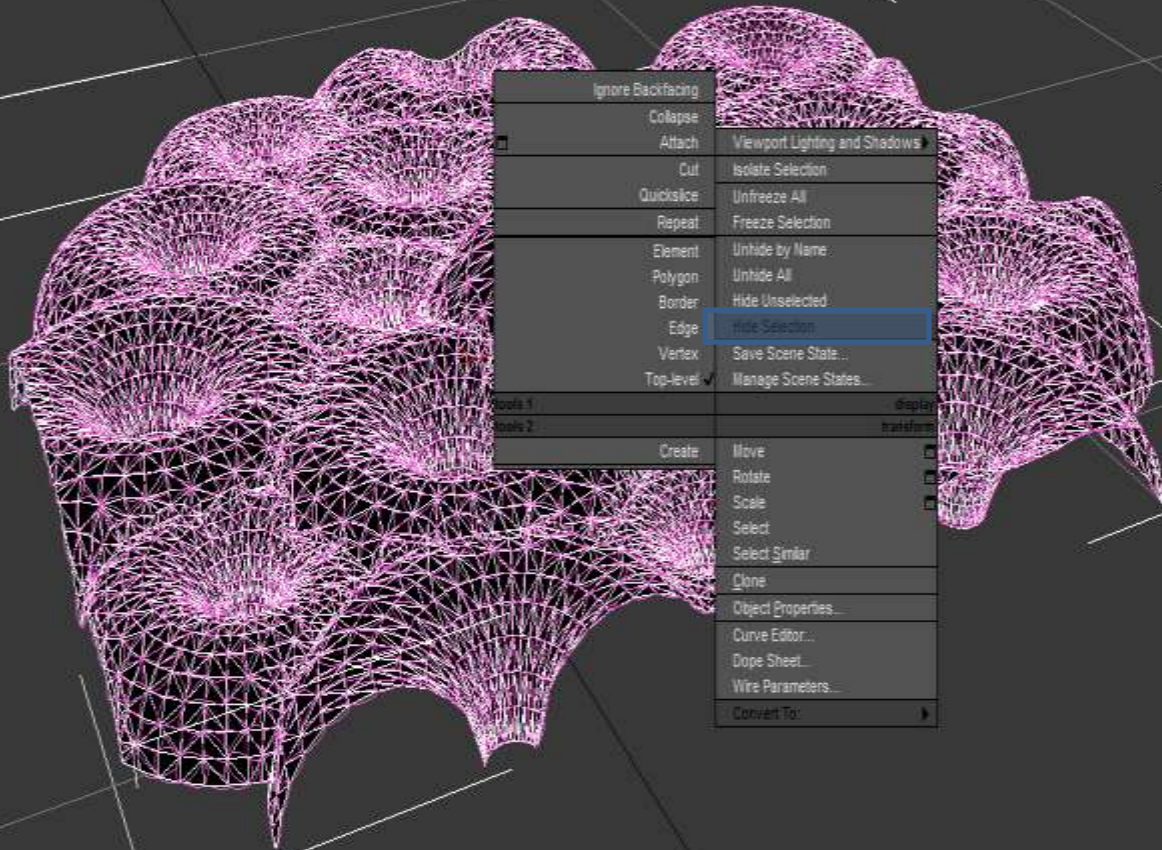
Delete Isolated Vertices

Paint Deformation





[+] [Perspective] [Smooth + Highlights + Edged Faces]



- Ignore Backfacing
- Collapse
- Attach
- Cut
- QuickSlice
- Repeat
- Element
- Polygon
- Border
- Edge
- Vertex
- Top-level
- Viewport Lighting and Shadows
- Isolate Selection
- Unfreeze All
- Freeze Selection
- Unhide by Name
- Unhide All
- Hide Unselected
- Hide Selection
- Save Scene State...
- Manage Scene States...
- Create
- Move
- Rotate
- Scale
- Select
- Select Similar
- Clone
- Object Properties...
- Curve Editor...
- Dope Sheet...
- Wire Parameters...
- Convert To

Box01

Modifier List

- Edit Poly
- Subdivide
- MeshSmooth
- Editable Poly

Edit Geometry

Repeat Last

Constraints

- None
- Edge
- Face
- Normal

Preserve UVs

Create Collapse

Attach Detach

Size Plane Split

Size Reset Plane

QuickSlice Cut

MSmooth Tessellate

Make Planar X Y Z

New Align Grid Align

Relax

Hide Selected Unhide All

Hide Unselected

Named Selections

Copy Paste

Delete Isolated Vertices

Paint Deformation

Edit Poly Mode

Model Animate

<No Current Operation>

Commit

Settings Cancel

Show Cage

Selection

Use Stack Selection

By Vertex

Ignore Backfacing

By Angle: 45.0

Shrink Grow

Ring Loop

Get Stack Selection

Preview Selection

Off SubObj Multi

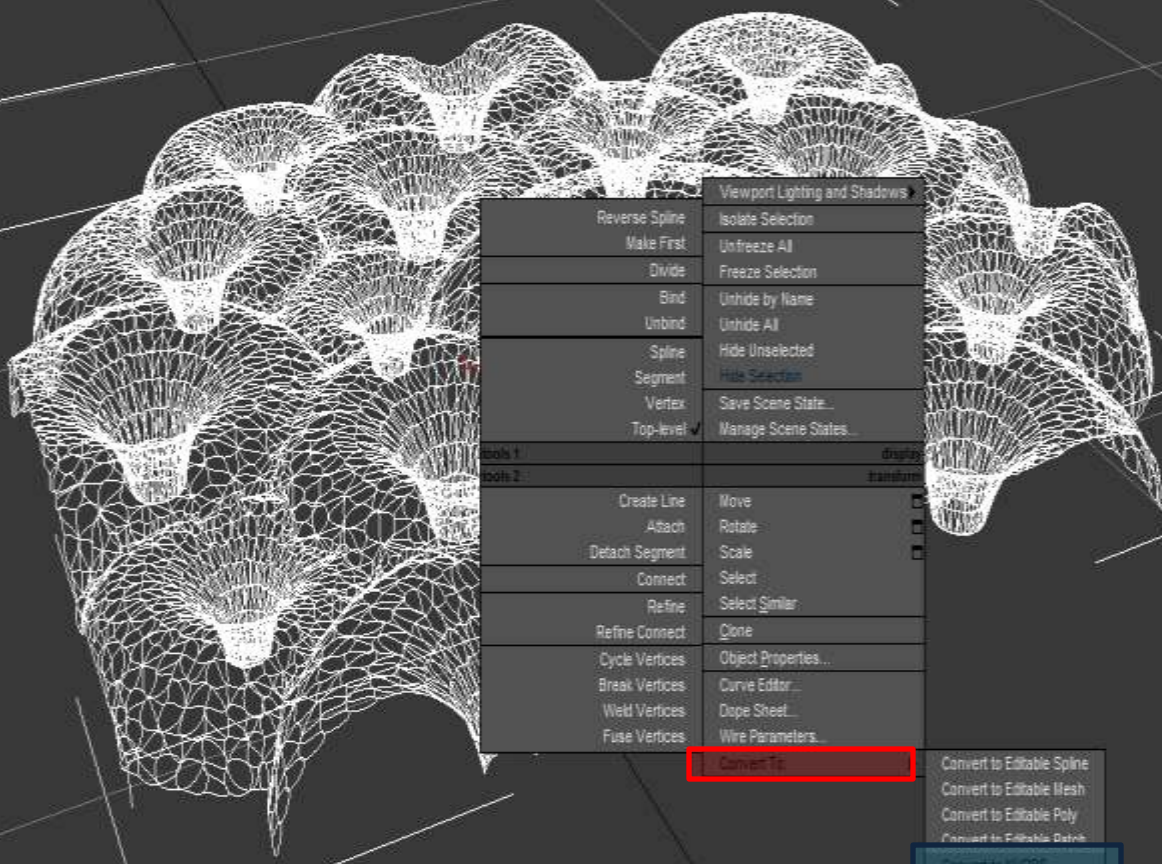
Whole Object Selected

Soft Selection

0 / 100

1 Object Selected X: -4.58 Y: -12.885 Z: 0.0 Grid = 10.0

Welcome to 3ds Max Click or click-and-drag to select objects Add Time Tag



- Reverse Spine
- Make First
- Divide
- Bind
- Unbind
- Spine
- Segment
- Vertex
- Top-level
- Viewport Lighting and Shadows
- Isolate Selection
- Unfreeze All
- Freeze Selection
- Unhide by Name
- Unhide All
- Hide Unselected
- Hide Selection
- Save Scene State...
- Manage Scene States...
- Create Line
- Attach
- Detach Segment
- Connect
- Refine
- Refine Connect
- Cycle Vertices
- Break Vertices
- Weld Vertices
- Fuse Vertices
- Move
- Rotate
- Scale
- Select
- Select Similar
- Clone
- Object Properties...
- Curve Editor...
- Dope Sheet...
- Wire Parameters...

- Convert to Editable Spline
- Convert to Editable Mesh
- Convert to Editable Poly
- Convert to Editable Patch
- Convert to Nurbs

Shape01

Modifier List

- Editable Spline

Rendering

Interpolation

Soft Selection

Selection

Named Selections:

Copy Paste

Lock Handles

Area Selection: 1.1

Segment End

Select By...

Display

Show Vertex Numbers

Selected Only

Whole Object Selected

Geometry

New Vertex Type

- Linear
- Bezier
- Smooth
- Bezier Corner

Create Line Break

Attach Reorient

Attach Mult.

Cross Section

Refine Connect

Linear Bind first

Closed Bind last

Connect Copy

Connect

Threshold: 0.3

End Point Auto-Welding

Automatic Welding

Threshold: 6.0

Weld: 0.1

Connect Invert

Make First Fuse

Reverse Cycle

Crosshatch: 0.1

Fillet: 0.0

Chamfer: 0.0

Outline: 0.0

Center

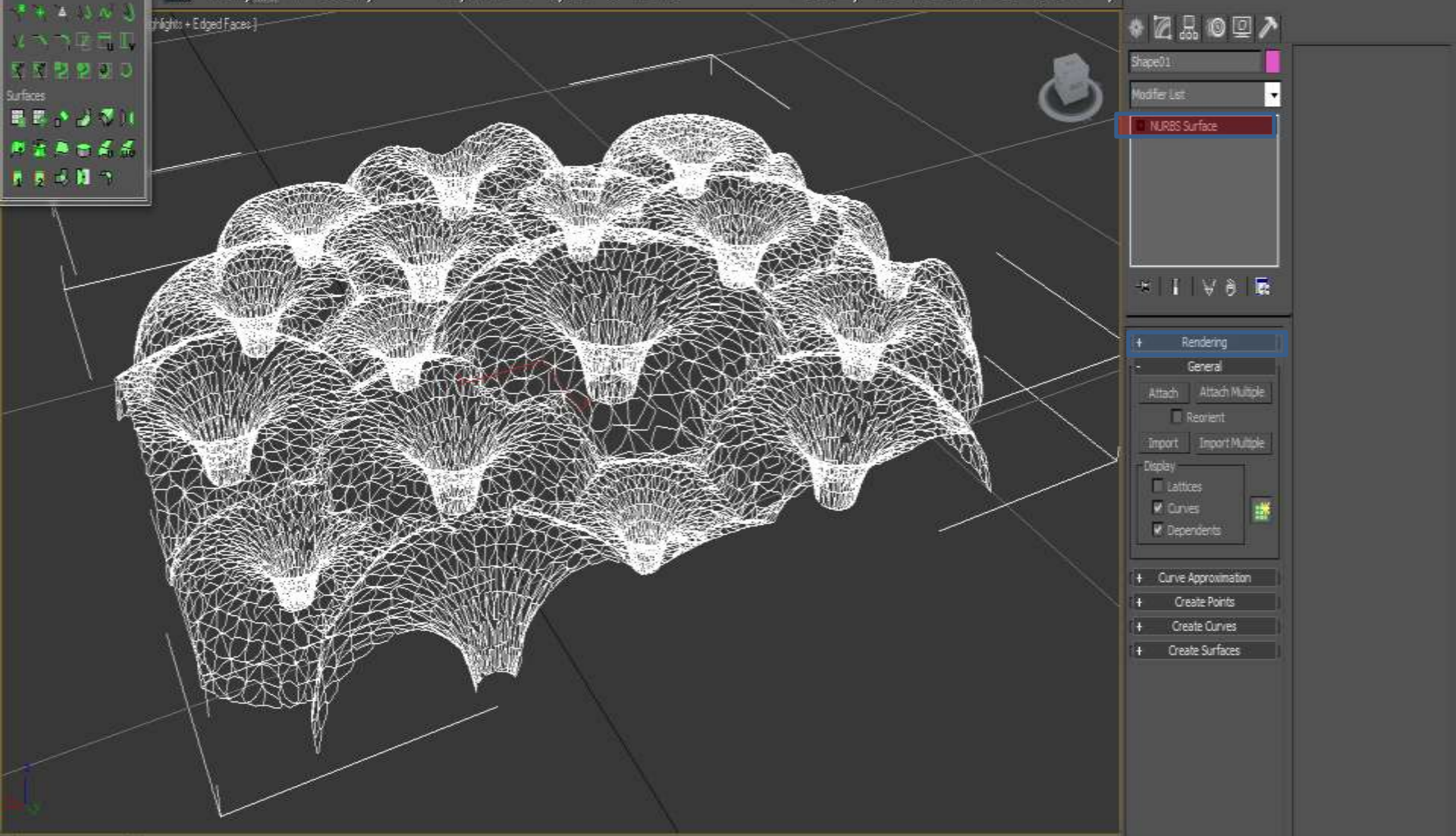
Boolean

Wire

Copy About Pivot

Trim Extend

Infinite Bounds



Points

Curves

Surfaces

Shape01

Modifier List

- NURBS Surface

Rendering

General

Attach Attach Multiple

Reorient

Import Import Multiple

Display

- Lattices
- Curves
- Dependents

Curve Approximation

Create Points

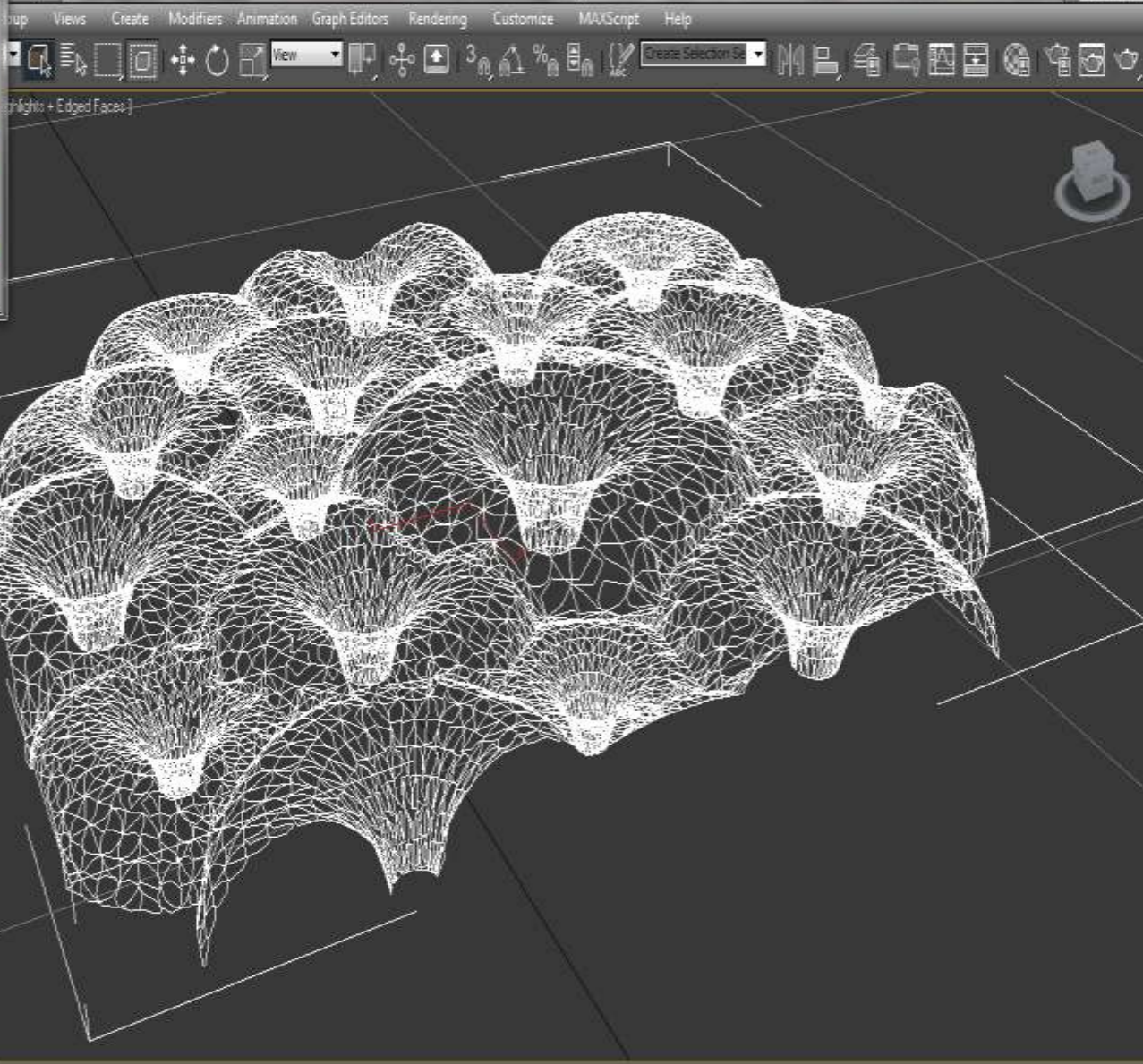
Create Curves

Create Surfaces

Points

Curves

Surfaces



Shape01

Modifier List

- MURBS Surface

General

Attach Attach Multiple

Reorient

Import Import Multiple

Display

- Lattices
- Curves
- Dependents

Curve Approximation

Create Points

Create Curves

Create Surfaces

Rendering

- Enable In Renderer
- create in viewport
 - Use viewport Settings
- Generate Mapping Coords.
- Real-World Map Size
- Viewport: Renderer
 - Radial
 - Thickness: 1.0
 - Sides: 12
 - Angle: 0.0
 - Rectangular
 - Length: 5.0
 - Width: 2.0
 - Angle: 0.0
 - Aspect: 3.0
- Auto Smooth
 - Threshold: 40.0

0 / 100

1 Shape Selected

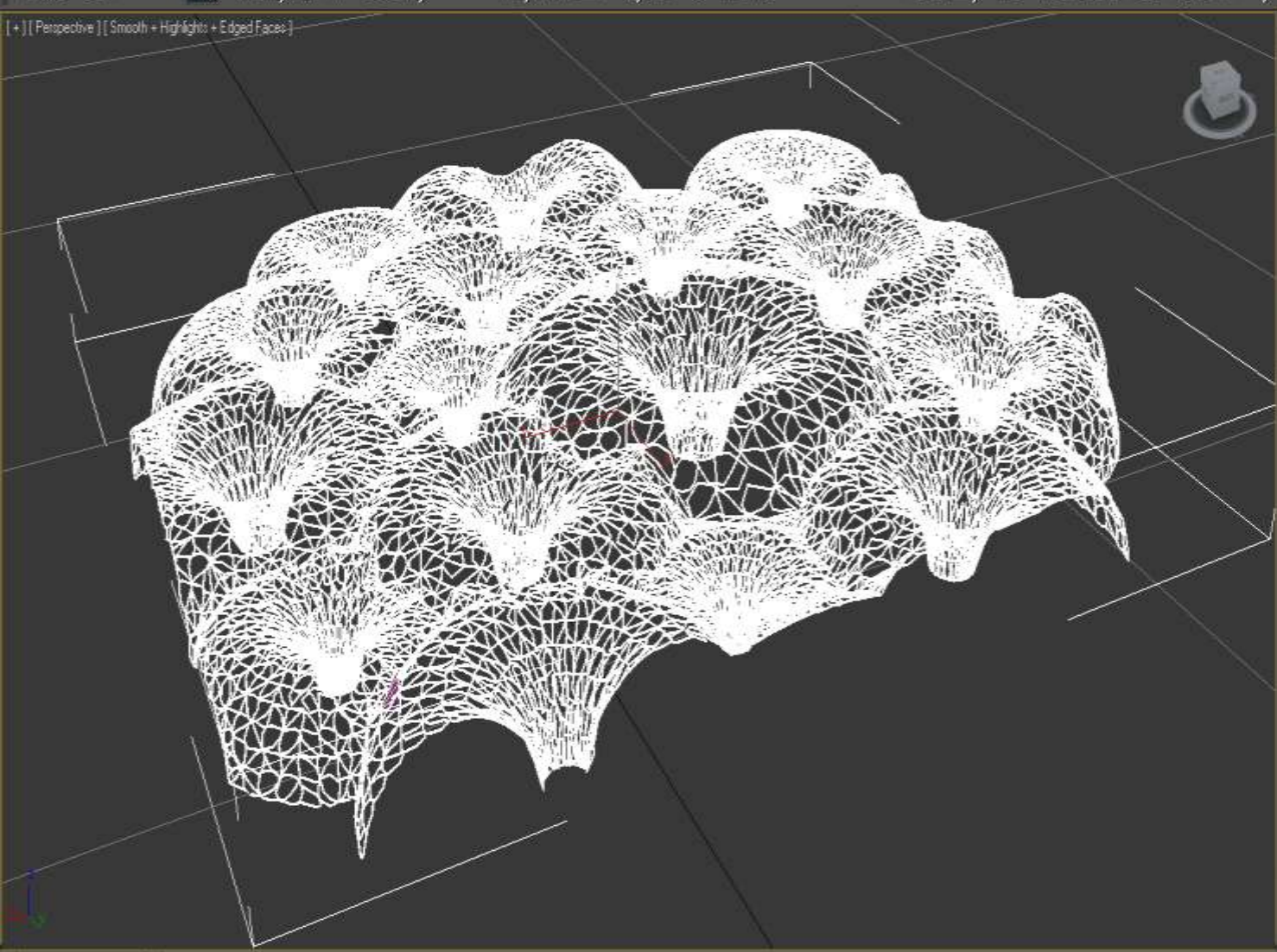
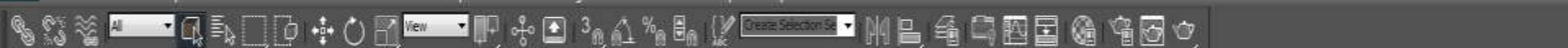
Welcome to 3ds Max

Click or click-and-drag to select objects

Grid = 10.0

Auto Key Selected

Set Key Key Filters...



Shape01

Modifier List

- MURBS Curve

General

- Attach Attach Multiple
- Reorient
- Import Import Multiple
- Display
 - Lattices
 - Curves
 - Dependents
- Curve Approximation
- Create Points
- Create Curves
- Create Surfaces

Rendering

- Enable In Renderer
- Enable In Viewport
- Use Viewport Settings
- Generate Mapping Coords.
- Real-World Map Size
- Viewport Renderer
 - Radial
 - Thickness: 0.02
 - Sides: 12
 - Angle: 0.0
 - Rectangular
 - Length: 5.0
 - Width: 2.0
 - Angle: 0.0
 - Aspect: 3.0
- Auto Smooth
 - Threshold: 40.0



1 Shape Selected

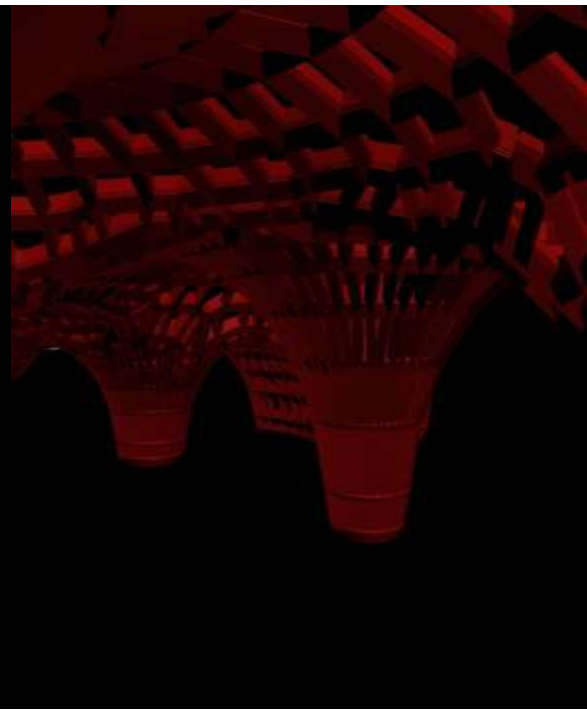
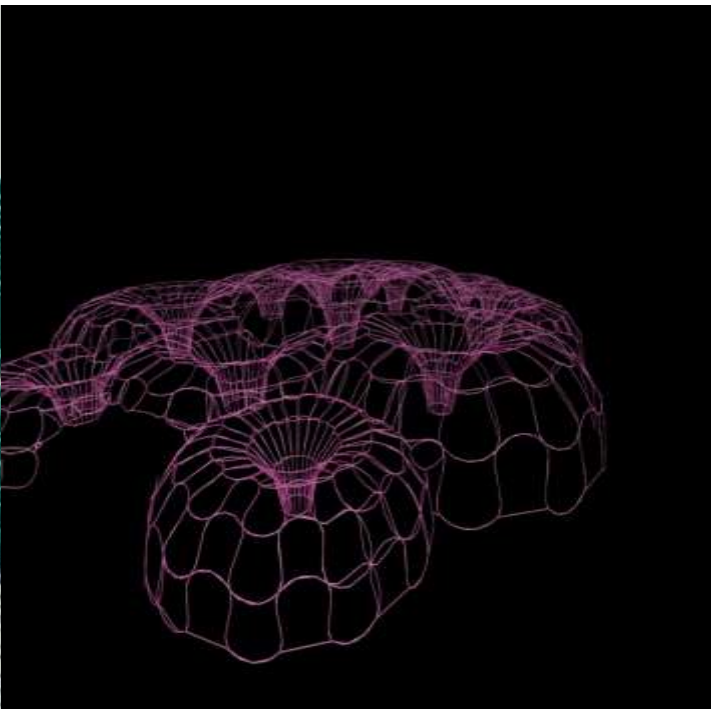
Welcome to 3ds Max

Click or click-and-drag to select objects

Add Time Tag

Auto Key Selected

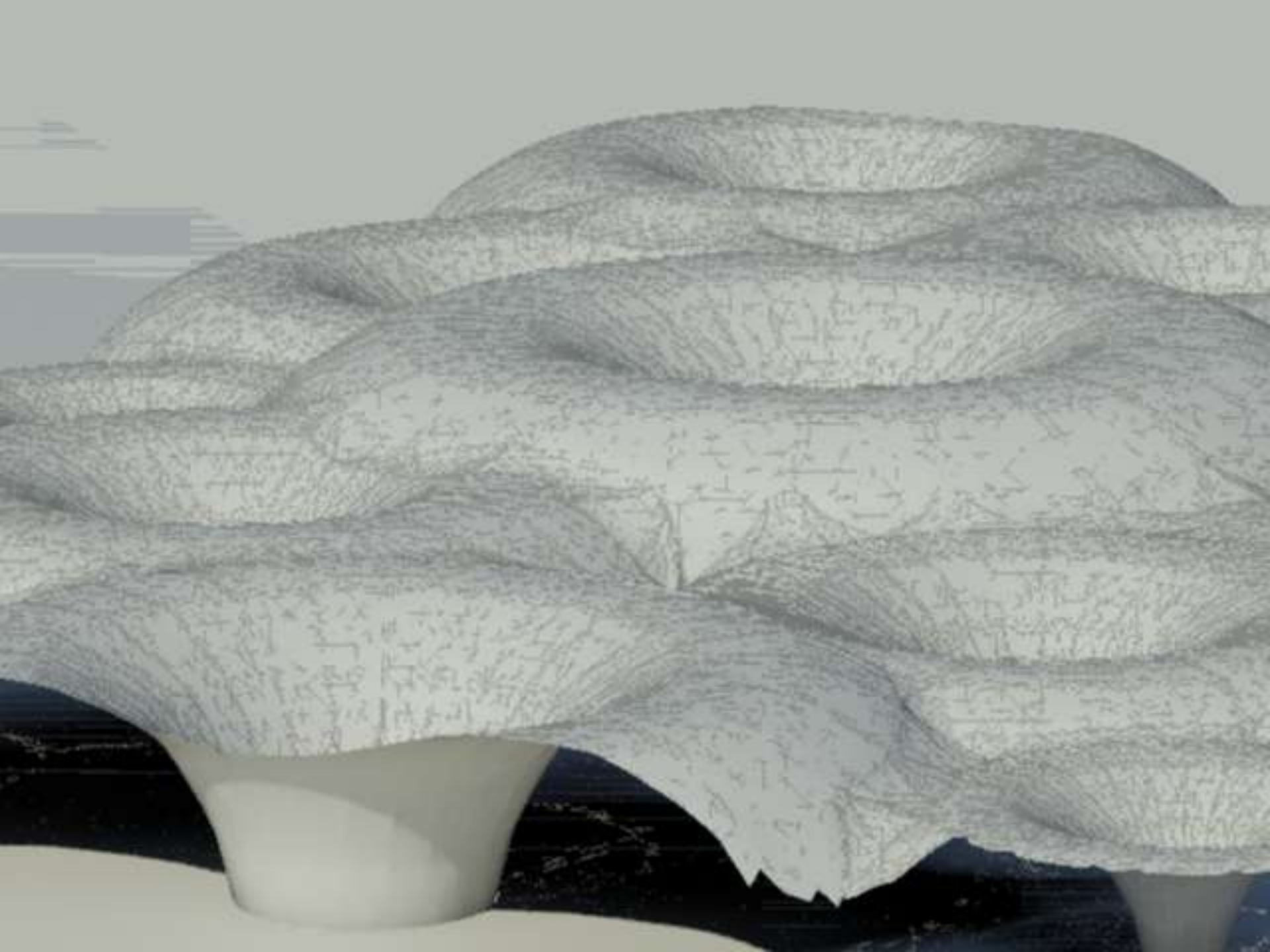
Set Key Key Filters...



Experimental render



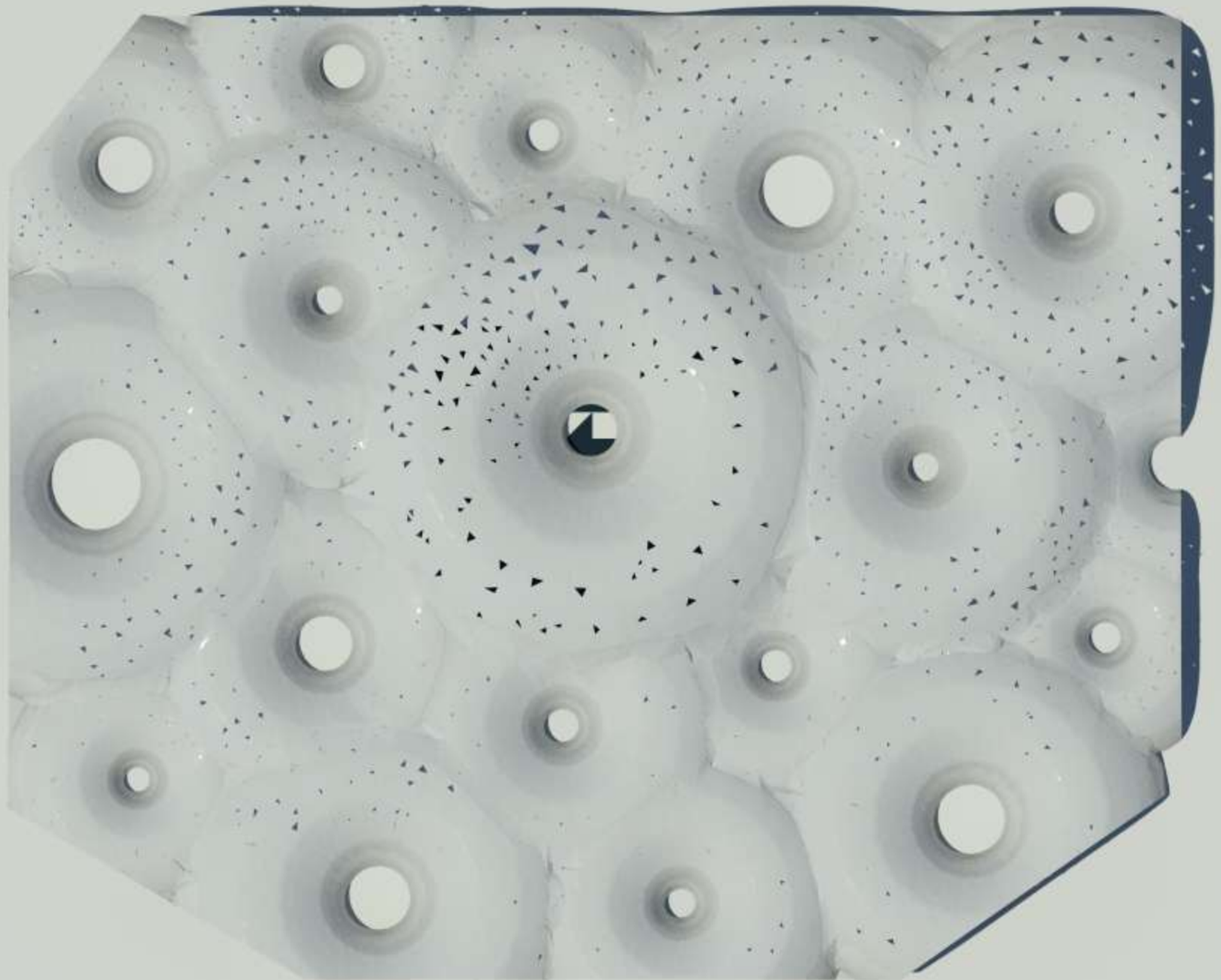


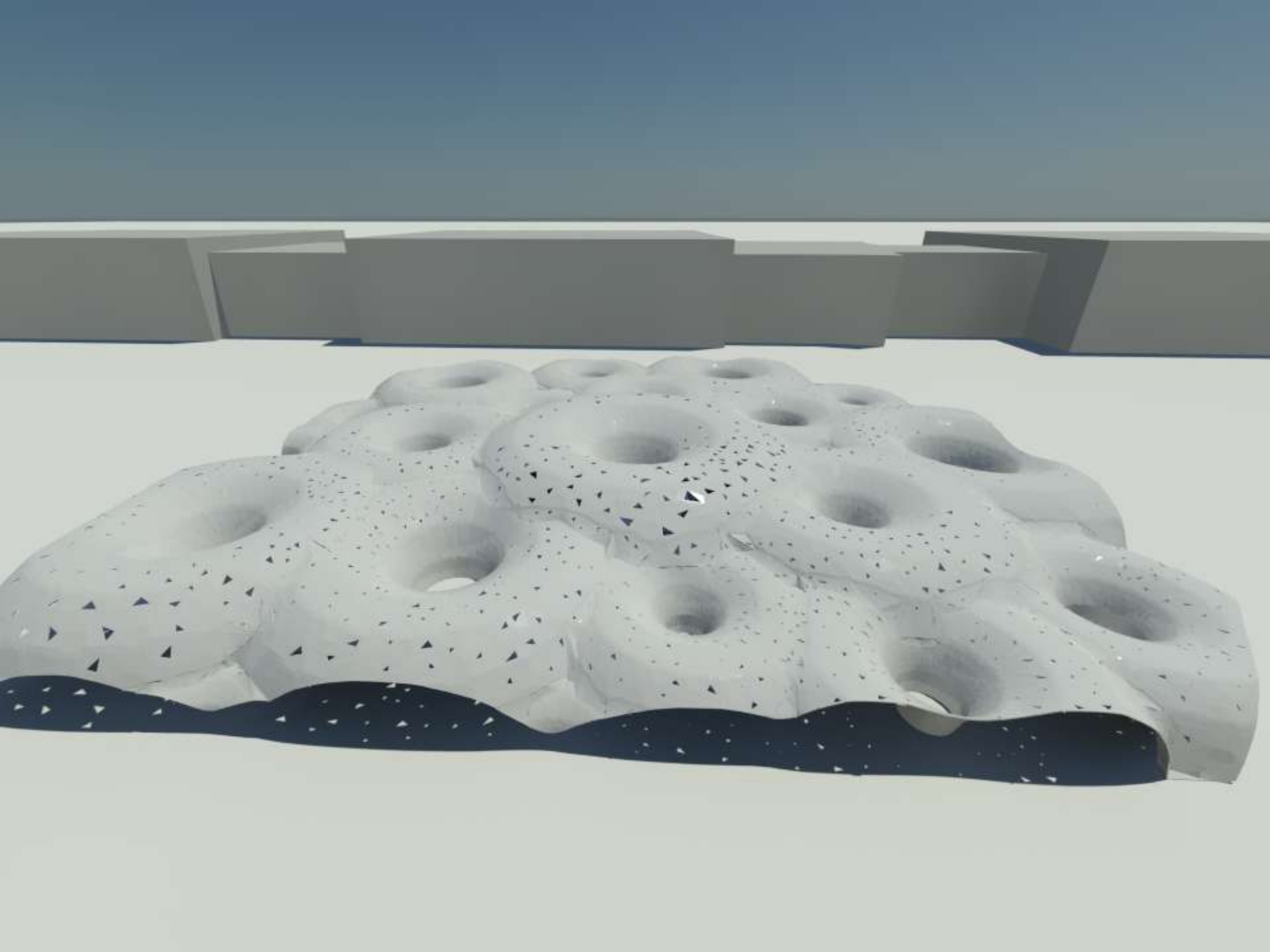


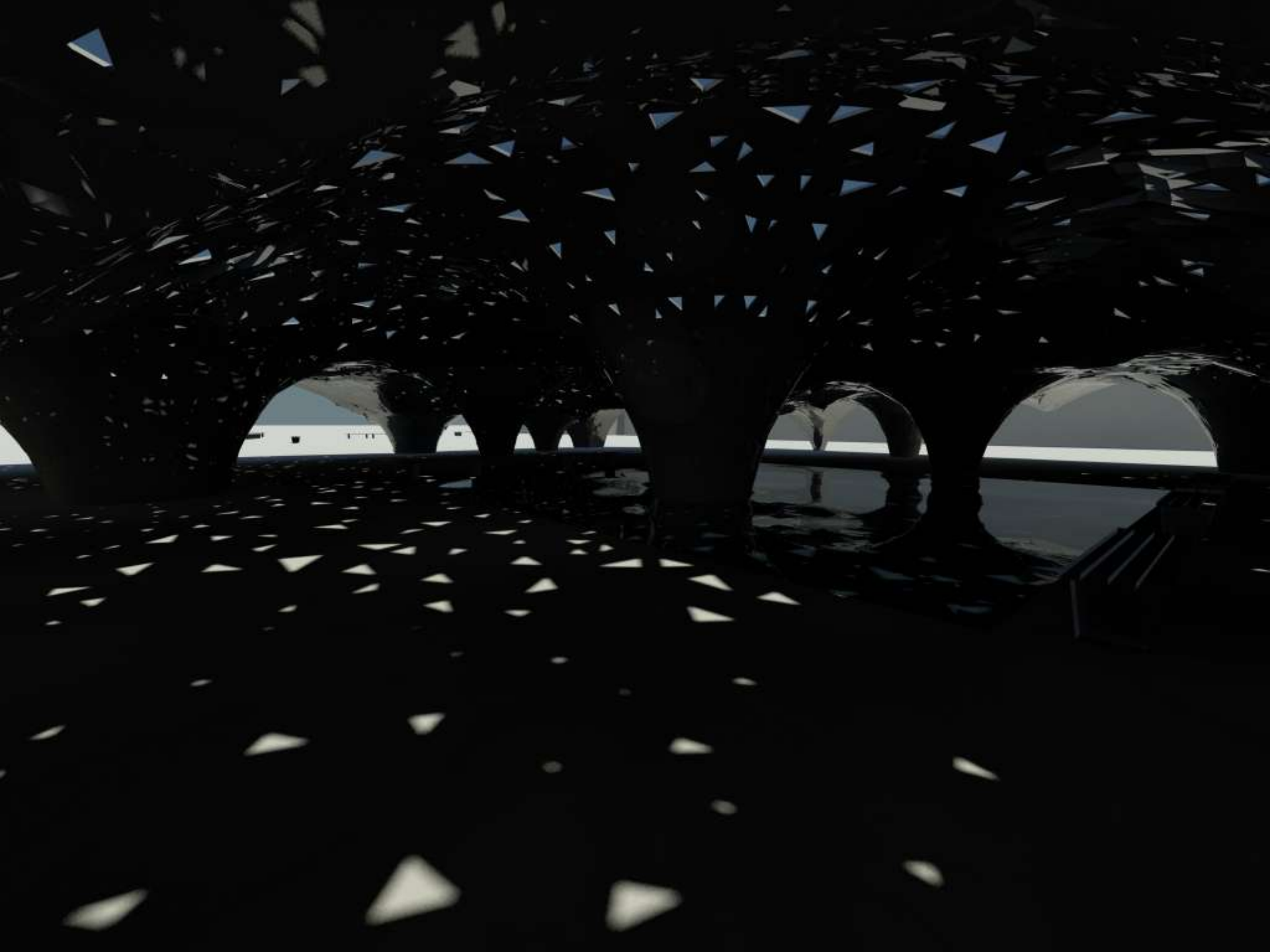


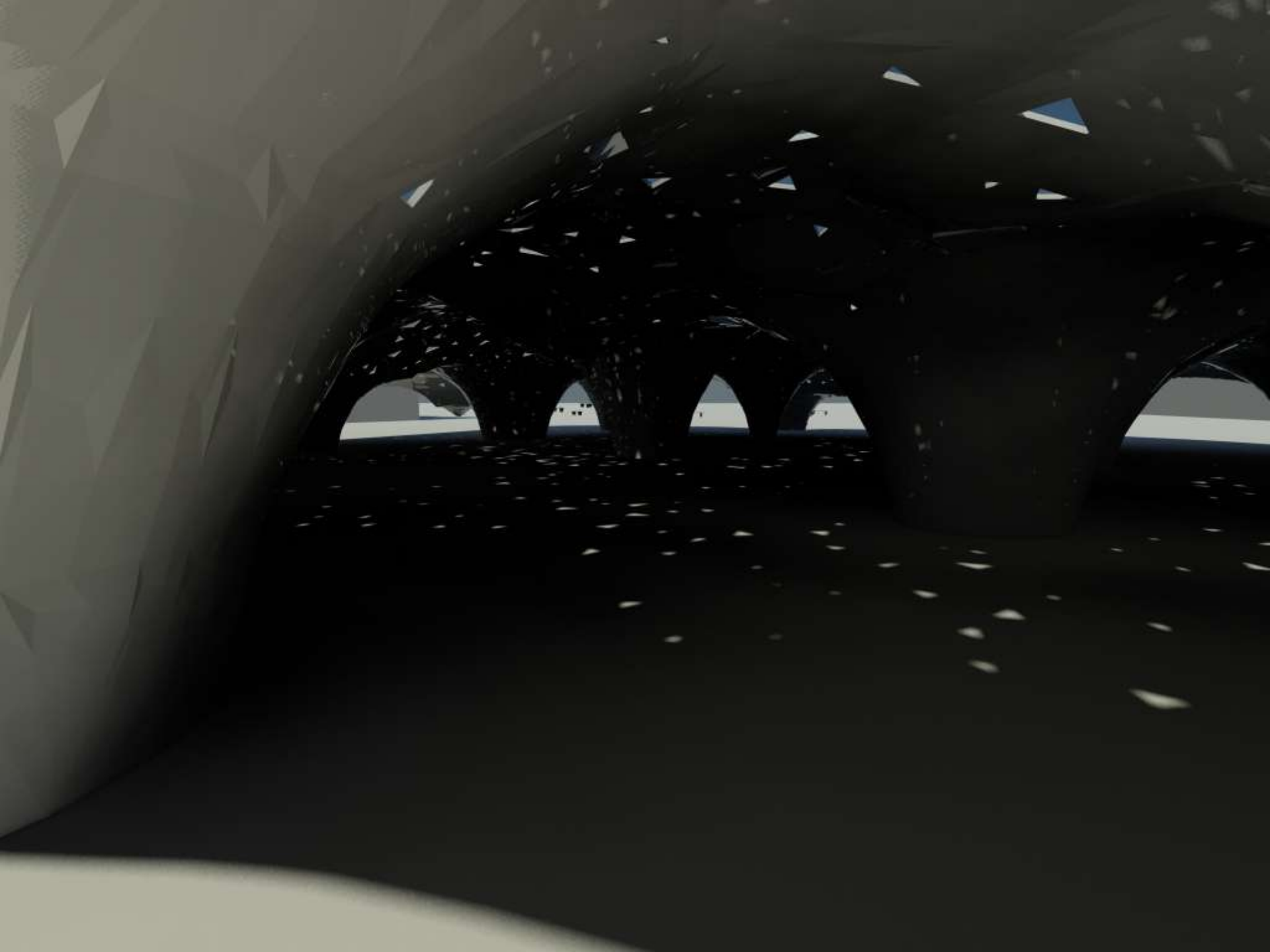


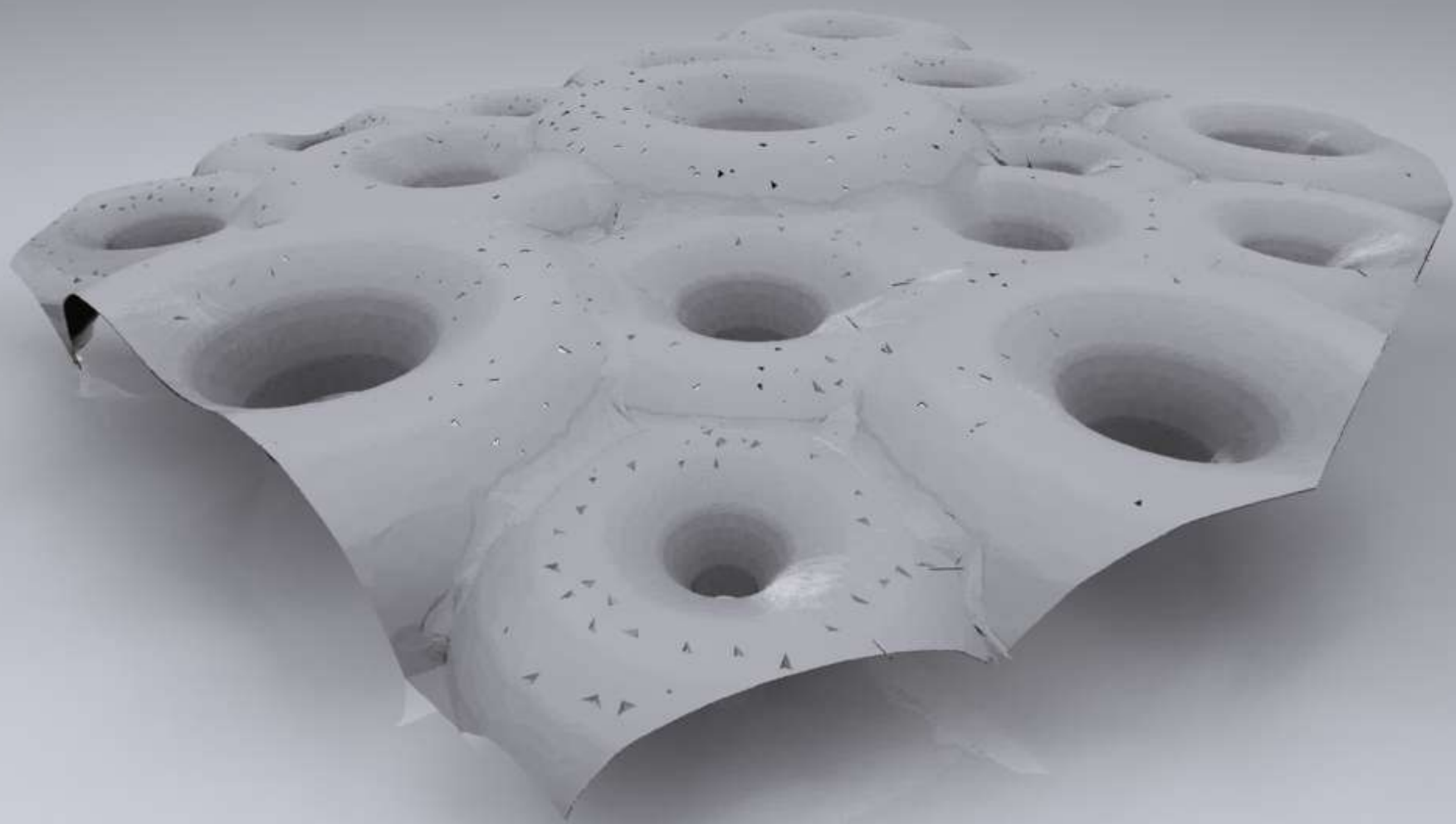
Conclusion & Results

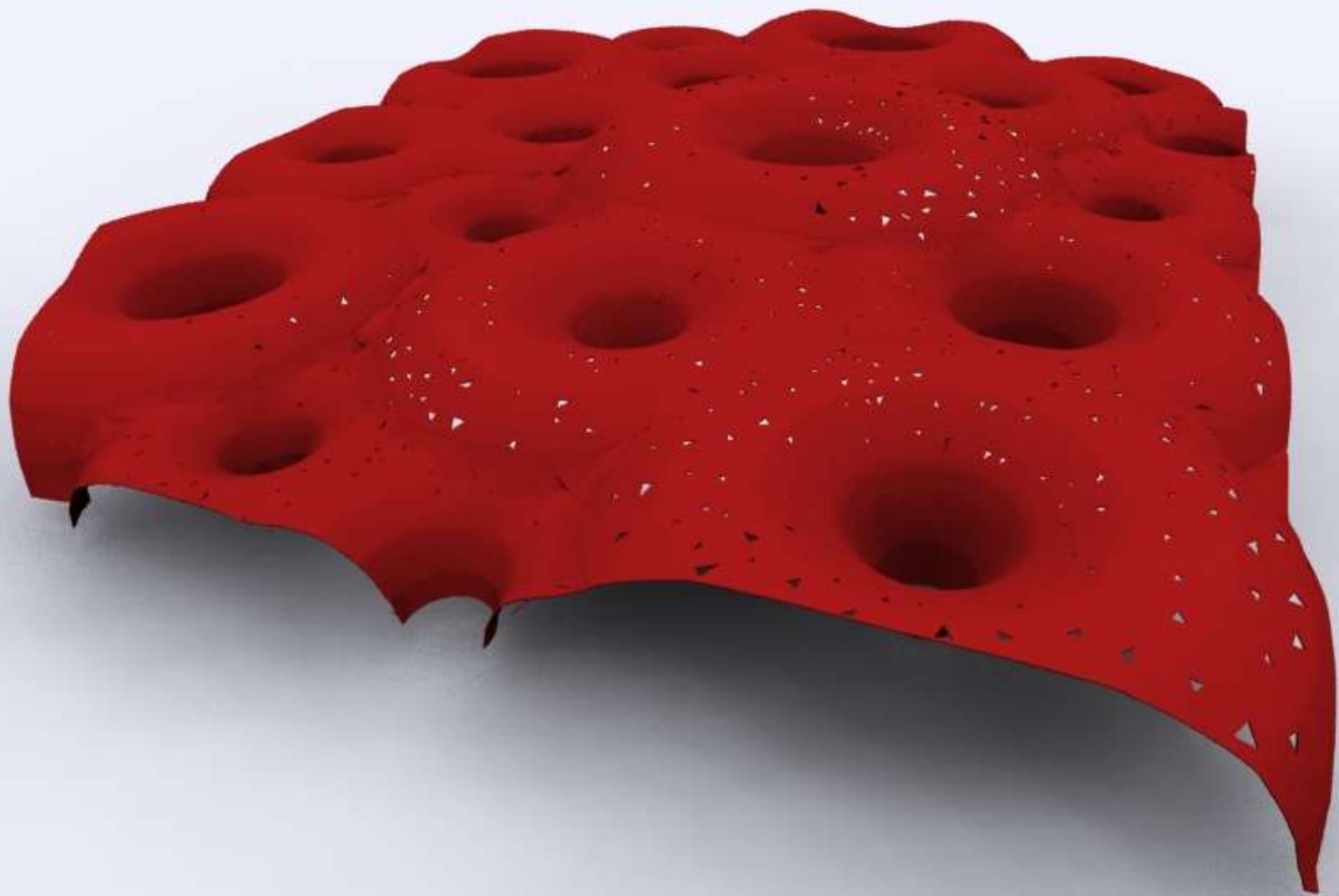
















» Thanks to you for lessening .
» Jupiter architecture group .