

# *Simple Pavilion*

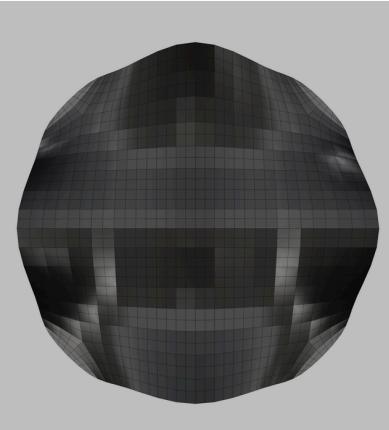
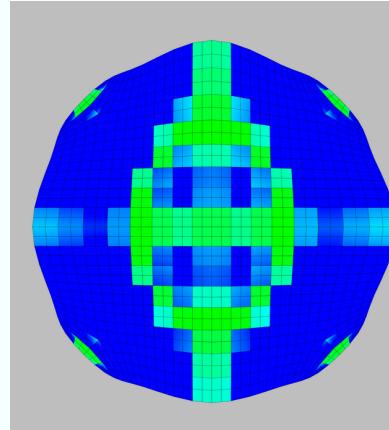
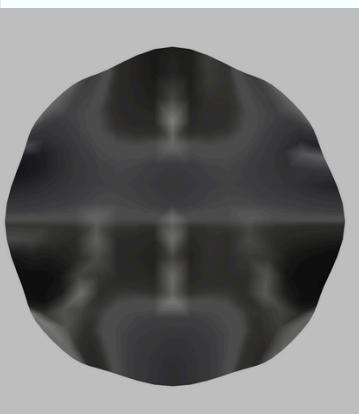
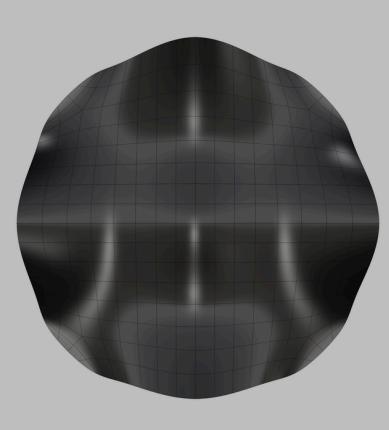
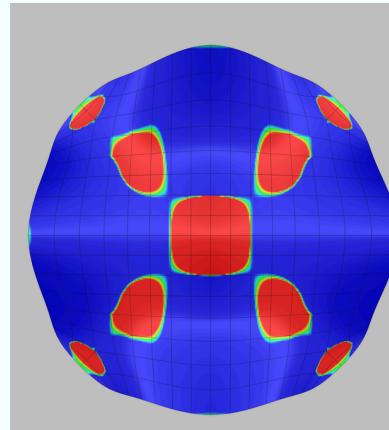
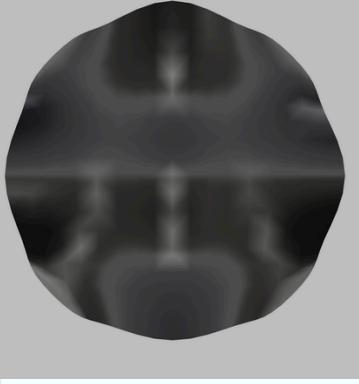
## COMPARISON CHART

EXPORT TYPE	SUBD LEVEL	FILE SIZE
OBJ	2	35.3 KB
OBJ	3	140 KB
FBX	2	35.6 KB
FBX	3	61.7 KB
PLY	2	11.6 KB
PLY	3	42.7 KB
STL	2	26.6 KB
STL	3	106 KB

# *Simple Pavilion*

## COMPARISON CHART

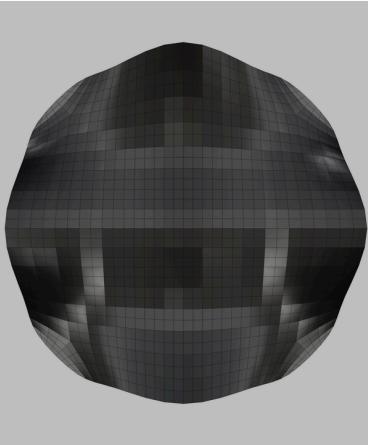
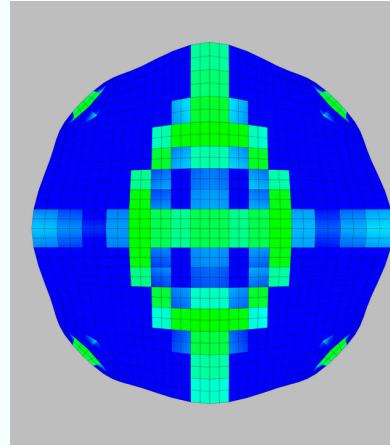
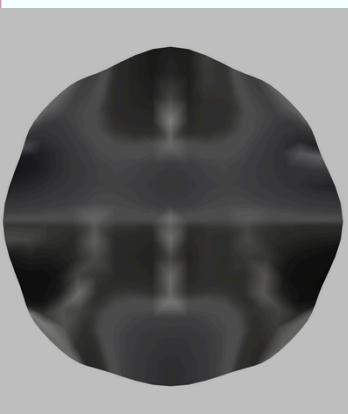
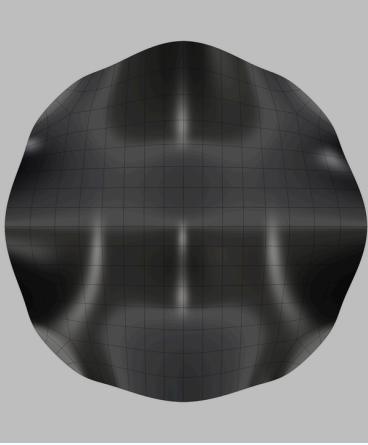
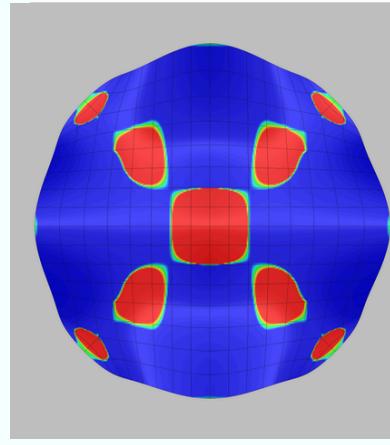
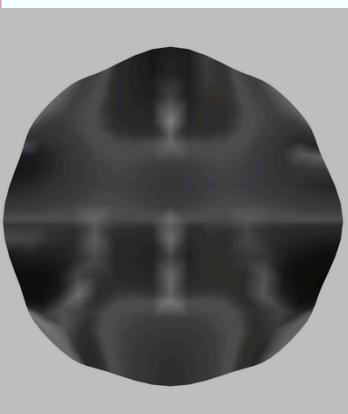
OBJ SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
1.01		Import group as: Nothing; Import object as: Nothing; Import as morph target; Mesh TO NURBS		<ul style="list-style-type: none"><li>Increase in number of faces</li><li>More faces appear planar and the curvature of the planes are mostly in the same direction</li></ul> 
1.02		Import group as: Nothing; Import object as: Nothing; Import as morph target; Mesh to SubD		<ul style="list-style-type: none"><li>Curvature of faces occur in both directions</li><li>Texture of pavilion is smoother than its NURB counterpart</li></ul> 

# *Simple Pavilion*

## COMPARISON CHART

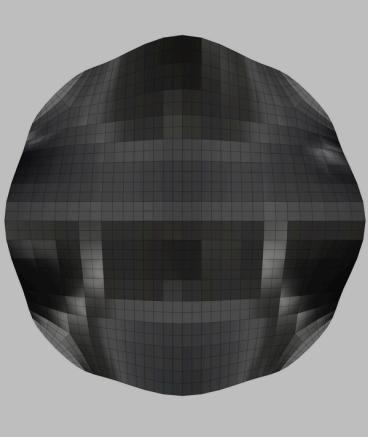
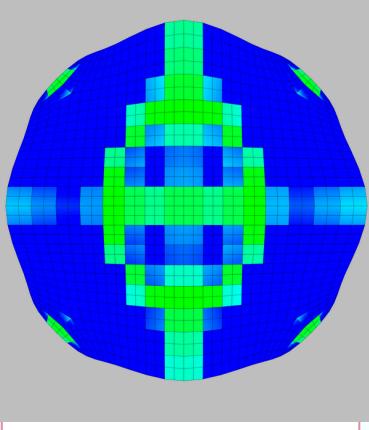
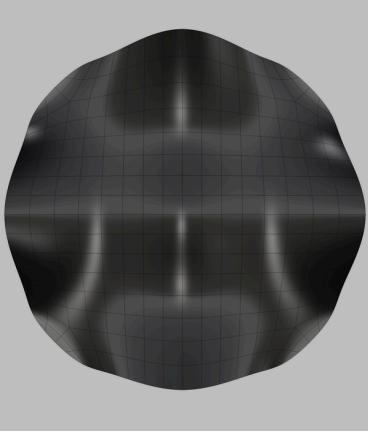
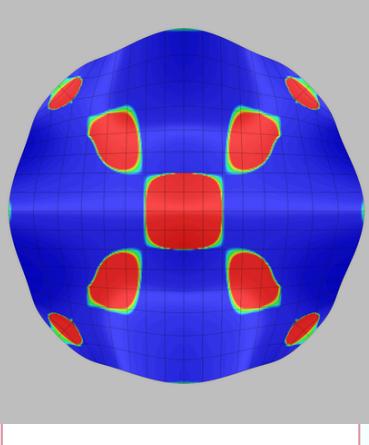
OBJ SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
1.03		<p>Import group as: Nothing; Import object as: Layers; Import as morph target; Mesh TO NURBS</p>		<ul style="list-style-type: none"><li>No significant differences observed between these import settings and those in the previous model</li></ul> 
1.04		<p>Import group as: Nothing; Import object as: Nothing; Import as morph target; Mesh to SubD</p>		<ul style="list-style-type: none"><li>No significant differences observed between these import settings and those in the previous model</li><li>Curvature of faces occur in both directions</li><li>Texture of pavilion is smoother than its NURB counterpart</li></ul> 

# Simple Pavilion

## COMPARISON CHART

OBJ SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
1.05		Import group as: Layers; Import object as: Groups; Import as Reverse Group Order; Mesh to NURBS		<ul style="list-style-type: none"> <li>Model has one layer so no observable differences</li> <li>Increase in number of faces and edges</li> <li>The geometry can be divided into 4 symmetrical parts on the outer parts and one main block in the center</li> <li>Symmetrical variations in direction of curves in one direction based on the curvature analysis</li> </ul>
1.06		Import group as: Layers; Import object as: Groups; Group Order; Mesh to SubD		<ul style="list-style-type: none"> <li>This object does not have multiple layers so there is no observable differences between this model and the previous model</li> <li>Curvature of faces occur in both directions</li> <li>Texture of pavilion is smoother than its NURB counterpart</li> </ul>

# Simple Pavilion

## COMPARISON CHART

OBJ SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
1.07		Import group as: Layers; Import object as: Groups; Ignore Textures; Mesh to NURBS		<ul style="list-style-type: none"> <li>Significant increase in number of faces and edges</li> <li>The geometry can be divided into 4 symmetrical parts on the outer parts and one main block in the center</li> <li>Symmetrical variations in direction of curves in one direction based on the curvature analysis</li> </ul>
1.08		Import group as: Layers; Import object as: Groups; Ignore Textures; Mesh to SubD		<ul style="list-style-type: none"> <li>Curvature of faces occur in both directions</li> <li>Texture of pavilion is smoother than its NURB counterpart</li> </ul>

# Simple Pavilion

## COMPARISON CHART

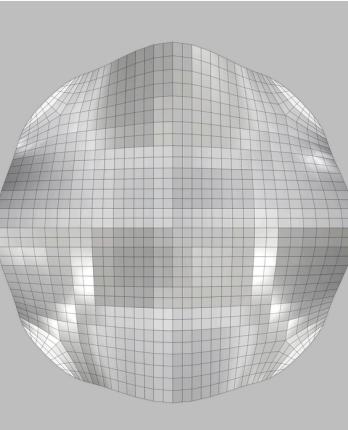
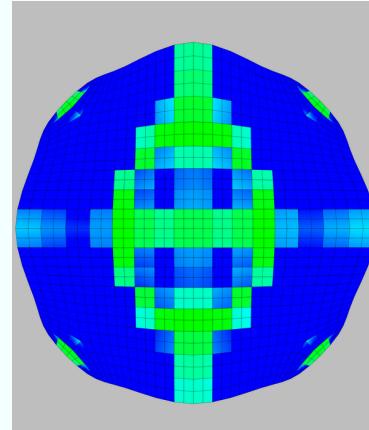
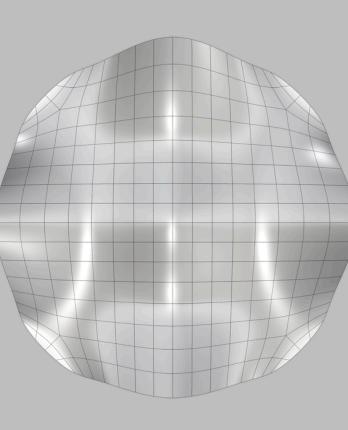
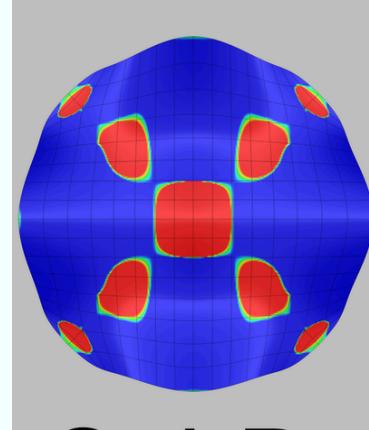
OBJ SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
1.09		Import group as: Layers; Import object as: Groups; Split 32-bit textures into separate files; Mesh to NURBS		<ul style="list-style-type: none"> <li>Significant increase in number of faces and edges</li> <li>The geometry can be divided into 4 symmetrical parts on the outer parts and one main block in the center</li> <li>Symmetrical variations in direction of curves in one direction based on the curvature analysis</li> </ul>
1.10		Import group as: Layers; Import object as: Groups; Split 32-bit textures into separate files; Mesh to SubD		<ul style="list-style-type: none"> <li>Curvature of faces occur in both directions</li> <li>Texture of pavilion is smoother than its NURB counterpart</li> </ul>

# Simple Pavilion

## COMPARISON CHART

OBJ SUBD LEVEL 3

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
1.31		Import group as: Nothing; Import object as: Nothing; Import as morph target; Mesh to NURBS		<ul style="list-style-type: none"> <li>Significant increase in number of faces and edges</li> <li>The geometry can be divided into 4 symmetrical parts on the outer parts and one main block in the center</li> <li>Symmetrical variations in direction of curves based on the curvature analysis</li> </ul>
1.32		Import group as: Nothing; Import object as: Nothing; Import as morph target; Mesh to SubD		<ul style="list-style-type: none"> <li>Increased number of faces</li> <li>The object has smoother curves</li> <li>Curvature of faces occur in both directions</li> </ul>

# Simple Pavilion

## COMPARISON CHART

OBJ SUBD LEVEL 3

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
1.33		Import group as: Nothing; Import object as: Layers; Import as morph target; Mesh to NURBS		<ul style="list-style-type: none"> <li>Significant increase in number of faces and edges</li> <li>The geometry can be divided into 4 symmetrical parts on the outer parts and one main block in the center</li> <li>Symmetrical variations in direction of curves based on the curvature analysis</li> </ul> 
1.34		Import group as: Nothing; Import object as: Layers; Import as morph target; Mesh to SubD		<ul style="list-style-type: none"> <li>Significant increase in number of faces and edges</li> <li>The geometry can be divided into 4 symmetrical parts on the outer parts and one main block in the center</li> <li>Symmetrical variations in direction of curves based on the curvature analysis</li> </ul>

# Simple Pavilion

## COMPARISON CHART

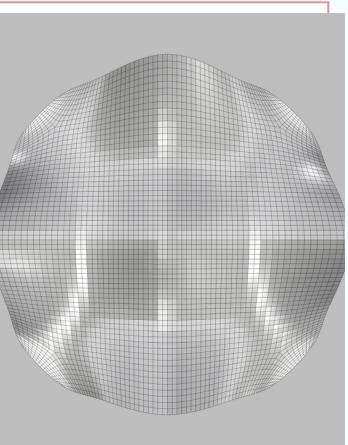
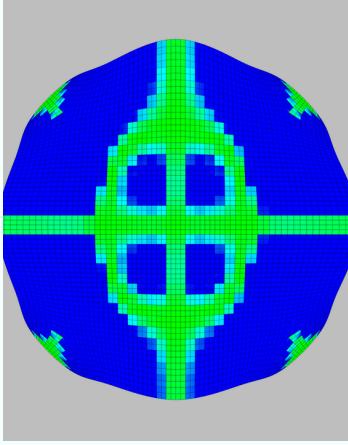
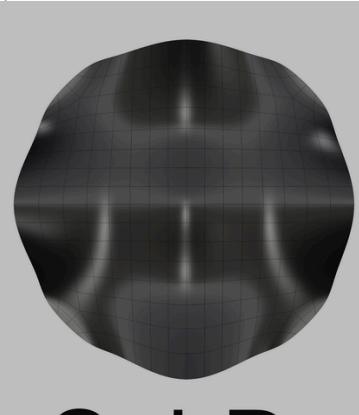
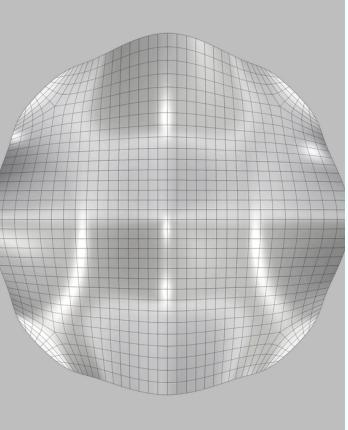
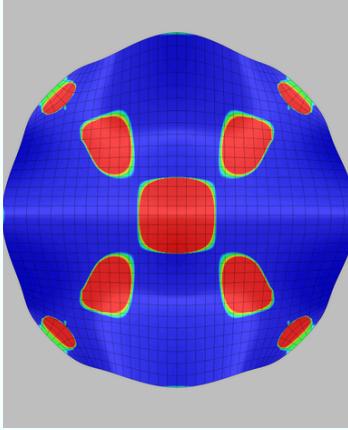
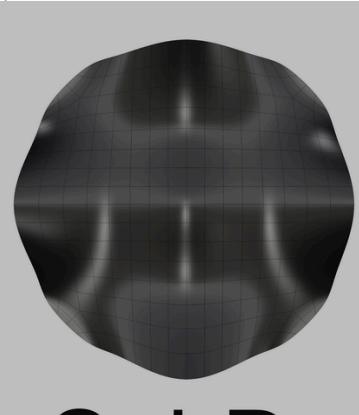
OBJ SUBD LEVEL 3

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
1.35		Import group as: Layers; Import object as: Groups; Import as Reverse Group Order; Mesh to NURBS		<ul style="list-style-type: none"> <li>Significant increase in number of faces and edges</li> <li>The geometry can be divided into 4 symmetrical parts on the outer parts and one main block in the center</li> <li>Symmetrical variations in direction of curves based on the curvature analysis</li> </ul>
1.36		Import group as: Layers; Import object as: Groups; Import as Reverse Group Order; Mesh to SubD		<ul style="list-style-type: none"> <li>Curvature of faces occur in both directions</li> <li>Texture of pavilion is smoother than its NURB counterpart</li> </ul>

# Simple Pavilion

## COMPARISON CHART

OBJ SUBD LEVEL 3

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
1.37		Import group as: Layers; Import object as: Groups; Ignore Textures; Mesh to NURBS		<ul style="list-style-type: none"> <li>Significant increase in number of faces and edges</li> <li>The geometry can be divided into 4 symmetrical parts on the outer parts and one main block in the center</li> <li>Symmetrical variations in direction of curves based on the curvature analysis</li> </ul> 
1.38		Import group as: Layers; Import object as: Groups; Ignore Textures; Mesh to SubD		<ul style="list-style-type: none"> <li>Curvature of faces occur in both directions</li> <li>Texture of pavilion is smoother than its NURB counterpart</li> </ul> 

# Simple Pavilion

## COMPARISON CHART

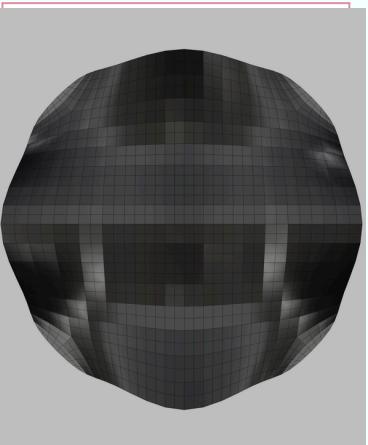
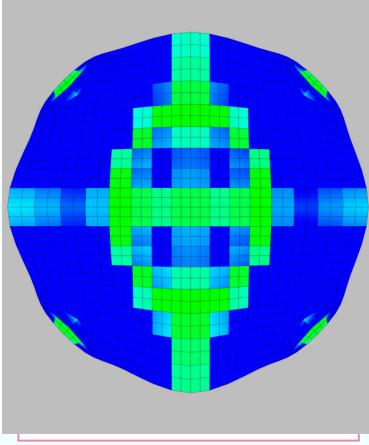
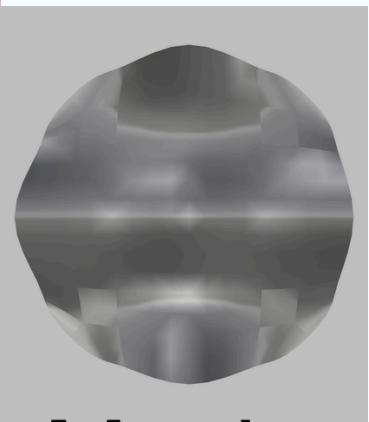
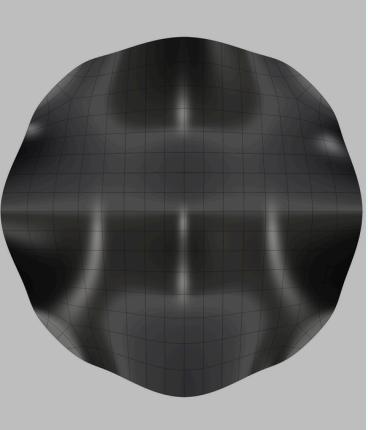
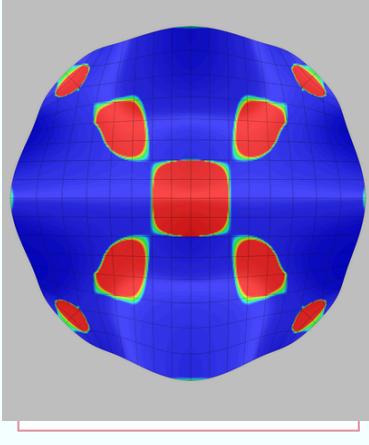
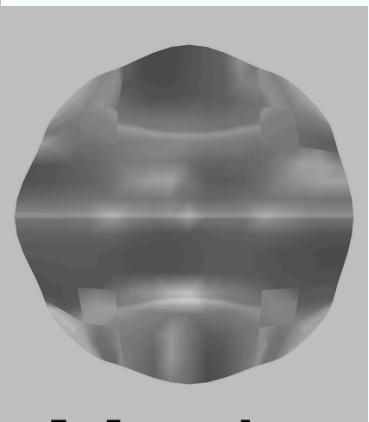
OBJ SUBD LEVEL 3

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
1.39		Import group as: Layers; Import object as: Groups; Split 32-bit textures into separate files; Mesh to NURBS		<ul style="list-style-type: none"> <li>Significant increase in number of faces and edges</li> <li>The geometry can be divided into 4 symmetrical parts on the outer parts and one main block in the center</li> <li>Symmetrical variations in direction of curves based on the curvature analysis</li> </ul>
1.40		Import group as: Layers; Import object as: Groups; Split 32-bit textures into separate files; Mesh to SubD		<ul style="list-style-type: none"> <li>Curvature of faces occur in both directions</li> <li>Texture of pavilion is smoother than its NURB counterpart</li> </ul>

# Simple Pavilion

## COMPARISON CHART

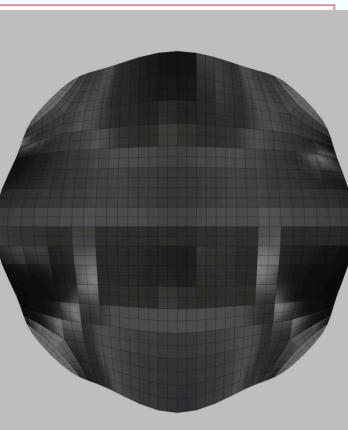
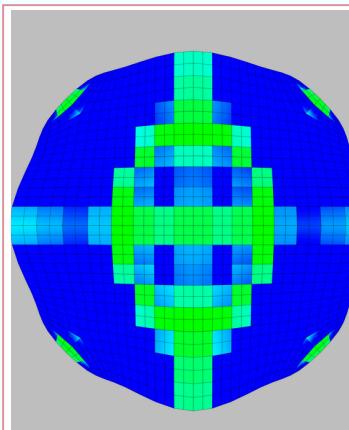
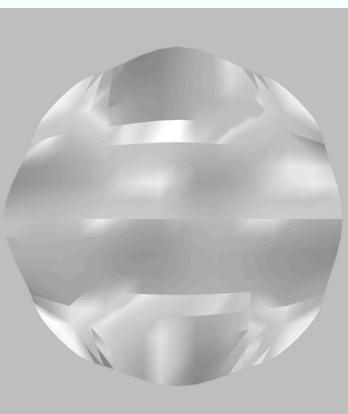
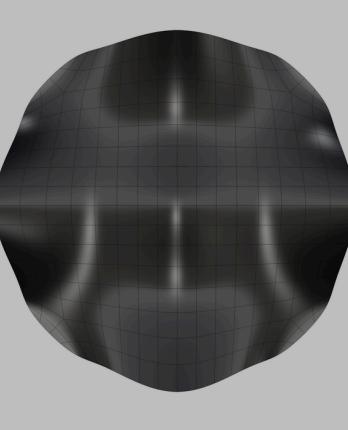
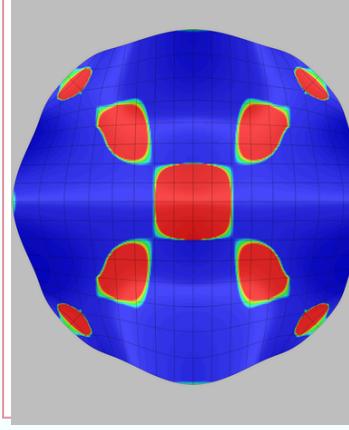
FBX SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
1.11		No Options Selected Mesh to NURBS		<ul style="list-style-type: none"><li>• Increase in number of faces and edges</li><li>• The geometry can be divided into 4 symmetrical parts on the outer parts and one main block in the center</li><li>• Symmetrical variations in direction of curves in one direction based on the curvature analysis</li></ul> 
1.12		No Options Selected Mesh to SubD		<ul style="list-style-type: none"><li>• Curvature of faces occur in both directions</li><li>• Texture of pavilion is smoother than its NURB counterpart</li></ul> 

# Simple Pavilion

## COMPARISON CHART

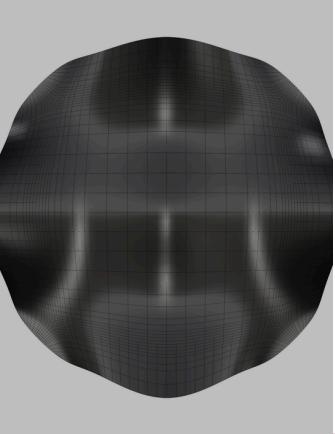
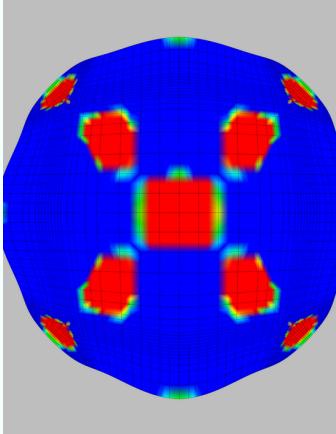
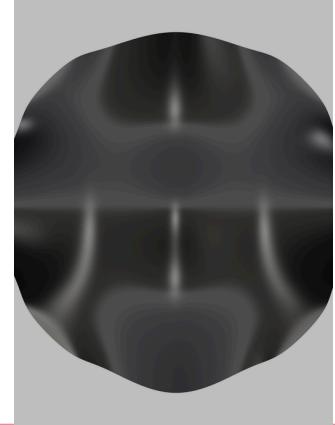
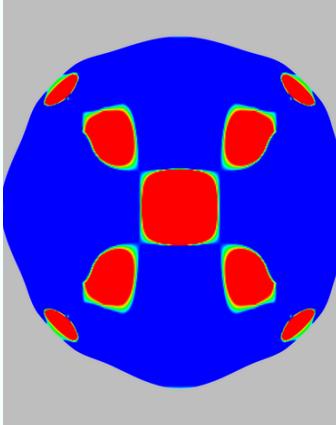
FBX SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
1.13		Unweld 22.5 degrees Mesh to NURBS		<ul style="list-style-type: none"> <li>Increase in number of faces and edges</li> <li>The geometry can be divided into 4 symmetrical parts on the outer parts and one main block in the center</li> <li>Symmetrical variations in direction of curves in one direction based on the curvature analysis</li> </ul> 
1.14		Unweld 22.5 degrees Mesh to SubD		<ul style="list-style-type: none"> <li>Curvature of faces occur in both directions</li> <li>Texture of pavilion is smoother than its NURB counterpart</li> </ul>

# *Simple Pavilion*

## COMPARISON CHART

FBX SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
1.15		<p>Open mesh to SubD surface SubD to NURBS</p>		<ul style="list-style-type: none"><li>The geometry can be divided into 4 symmetrical parts on the outer parts and one main block in the center</li><li>Symmetrical variations in direction of curves in both directions based on the curvature analysis</li></ul>
1.16		<p>Open mesh to SubD surface SubD to Mesh</p>		<ul style="list-style-type: none"><li>Curvature of faces occur in both directions</li><li>Texture of pavilion is smoother than its NURB counterpart</li></ul>

# *Simple Pavilion*

## COMPARISON CHART

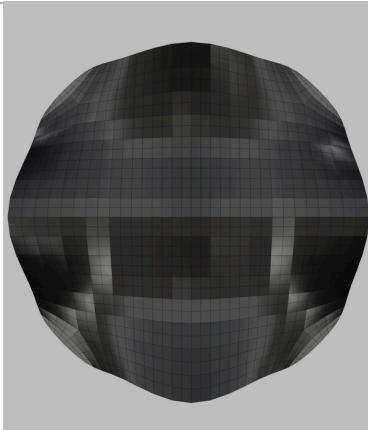
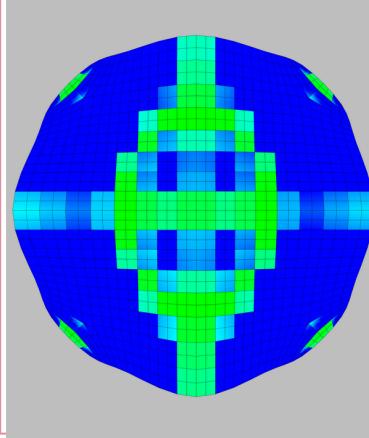
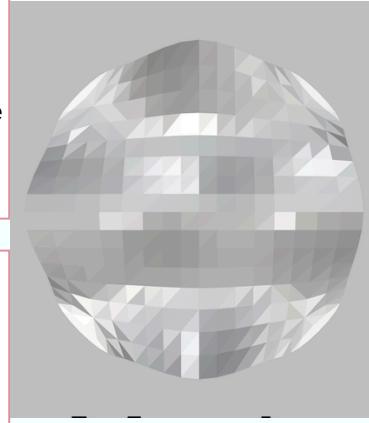
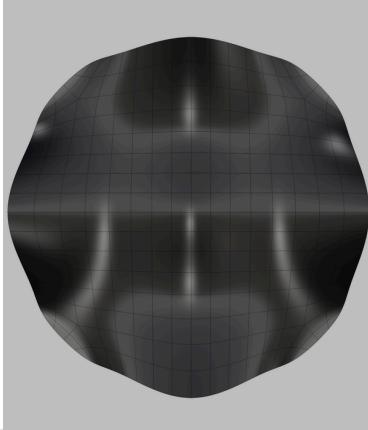
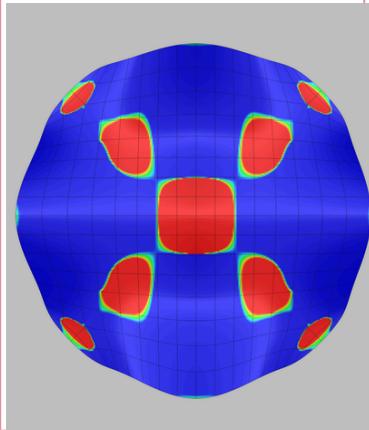
FBX SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
1.17		Unweld 22.5 degrees; Open mesh to SubD surface SubD to NURBS		<ul style="list-style-type: none"><li>The geometry can be divided into 4 symmetrical parts on the outer parts and one main block in the center</li><li>Symmetrical variations in direction of curves in both directions based on the curvature analysis</li></ul>
1.18		Unweld 22.5 degrees; Open mesh to SubD surface SubD to Mesh		<ul style="list-style-type: none"><li>Curvature of faces occur in both directions</li><li>Texture of pavilion is smoother than its NURB counterpart</li></ul>

# *Simple Pavilion*

## COMPARISON CHART

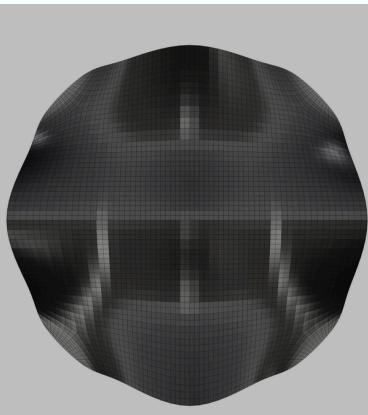
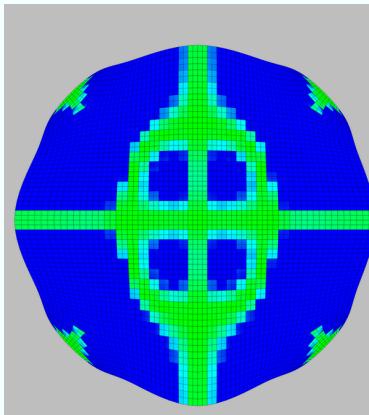
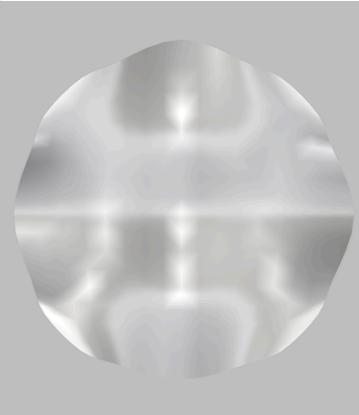
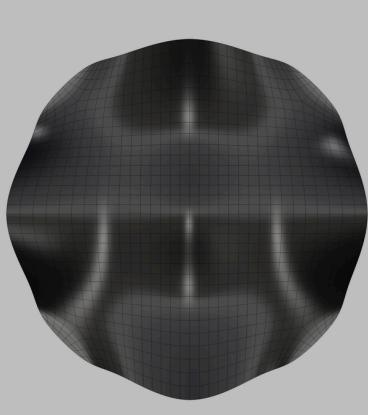
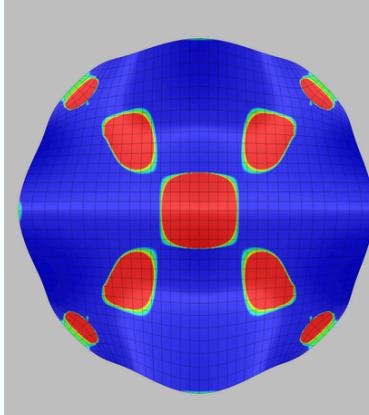
FBX SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
1.19		Unweld 1 degree Mesh to NURBS		<ul style="list-style-type: none"><li>Significant increase in number of faces and edges</li><li>The geometry can be divided into 4 symmetrical parts on the outer parts and one main block in the center</li><li>Symmetrical variations in direction of curves in one direction based on the curvature analysis</li></ul> 
1.20		Unweld 1 degree Mesh to SubD		<ul style="list-style-type: none"><li>Symmetrical variations in direction of curves based on the curvature analysis</li></ul>

# *Simple Pavilion*

## COMPARISON CHART

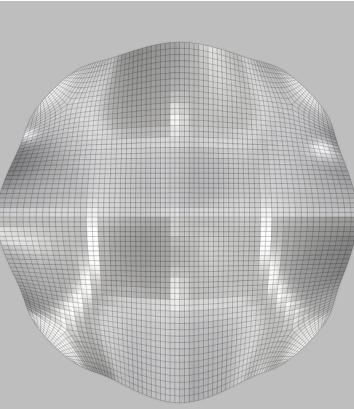
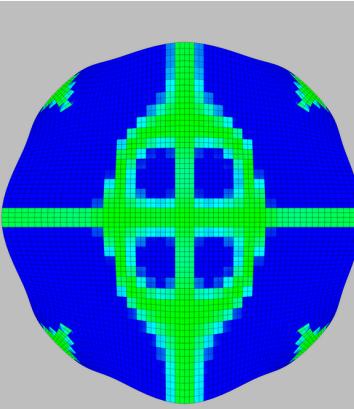
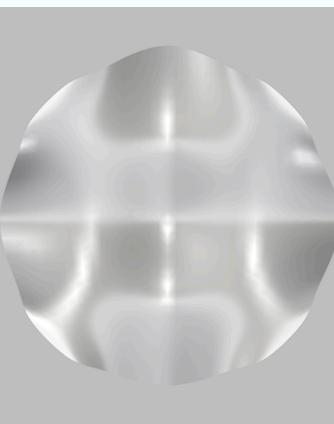
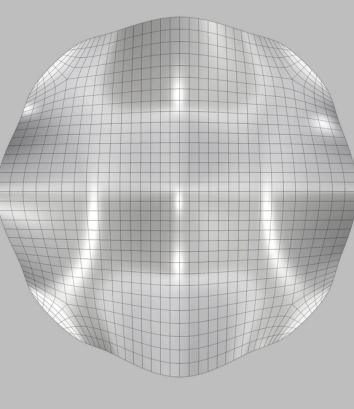
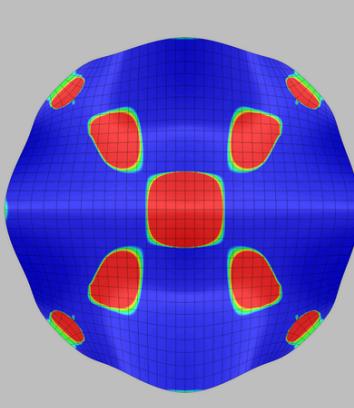
FBX SUBD LEVEL 3

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS	
1.41		No Options Selected Mesh to NURBS		<ul style="list-style-type: none"><li>• Significant increase in number of faces and edges</li><li>• The geometry can be divided into 4 symmetrical parts on the outer parts and one main block in the center</li><li>• Symmetrical variations in direction of curves in one direction based on the curvature analysis</li></ul>	
1.42		No Options Selected Mesh to SubD		<ul style="list-style-type: none"><li>• Significant increase in number of faces and edges</li><li>• Symmetrical variations in direction of curves based on the curvature analysis</li></ul>	

# Simple Pavilion

## COMPARISON CHART

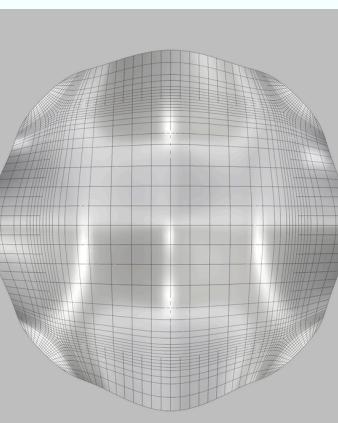
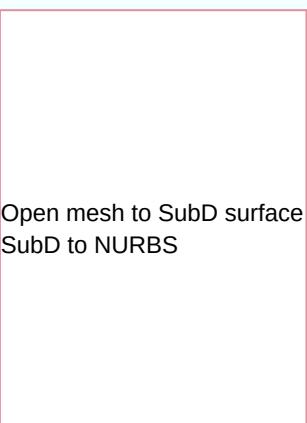
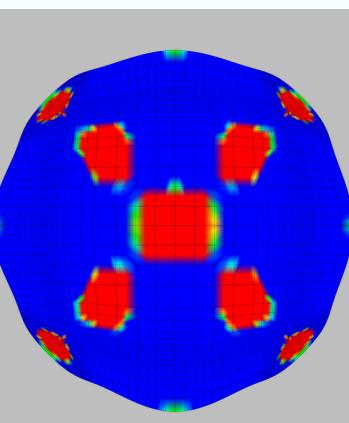
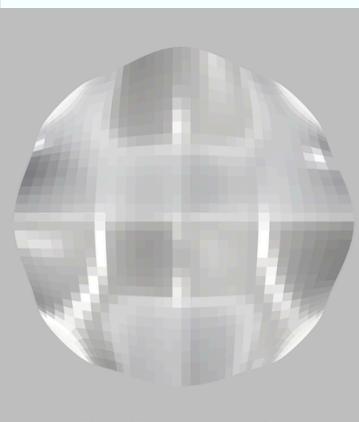
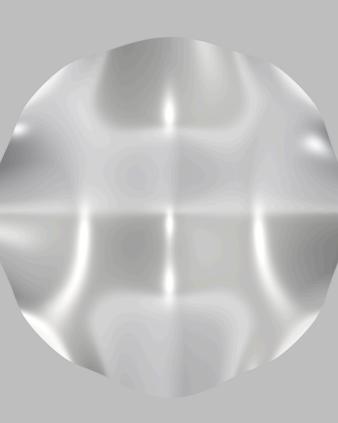
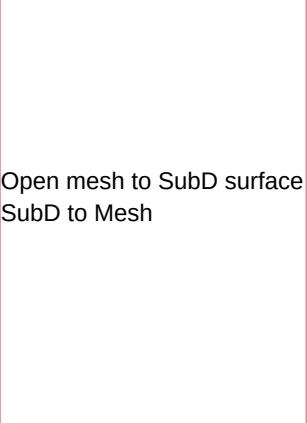
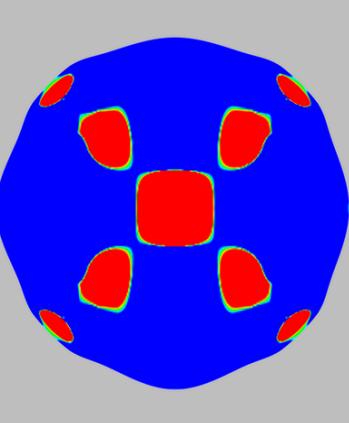
FBX SUBD LEVEL 3

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
1.43		Unweld 22.5 degrees Mesh to NURBS		<ul style="list-style-type: none"> <li>Significant increase in number of faces and edges</li> <li>The geometry can be divided into 4 symmetrical parts on the outer parts and one main block in the center</li> <li>Symmetrical variations in direction of curves based on the curvature analysis</li> </ul> 
1.44		Unweld 22.5 degrees Mesh to SubD		<ul style="list-style-type: none"> <li>Significant increase in number of faces and edges</li> <li>Symmetrical variations in direction of curves based on the curvature analysis</li> </ul>

# *Simple Pavilion*

## COMPARISON CHART

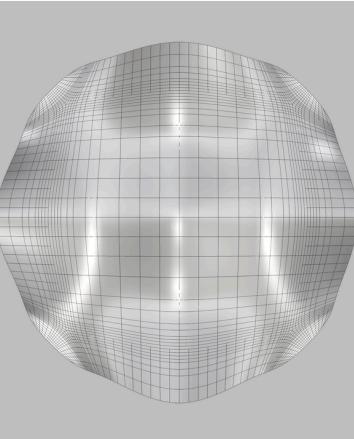
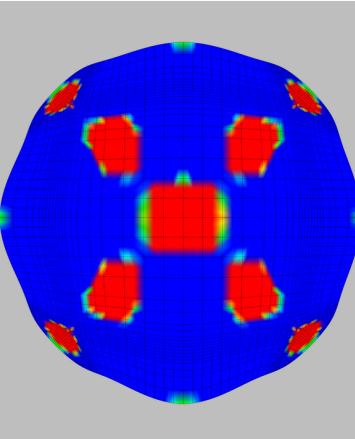
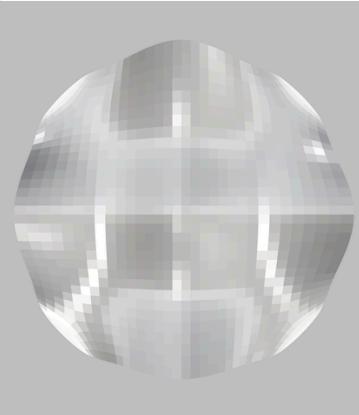
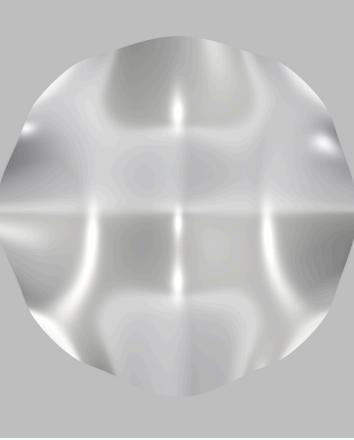
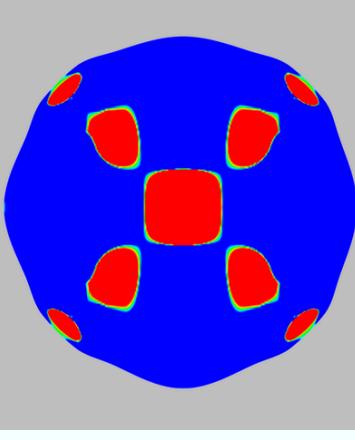
FBX SUBD LEVEL 3

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
1.45		 Open mesh to SubD surface SubD to NURBS		<ul style="list-style-type: none"><li>• Significant increase in number of faces and edges</li><li>• The geometry can be divided into 4 symmetrical parts on the outer parts and one main block in the center</li><li>• Symmetrical variations in direction of curves based on the curvature analysis</li></ul> 
1.46		 Open mesh to SubD surface SubD to Mesh		<ul style="list-style-type: none"><li>• Significant increase in number of faces and edges</li><li>• Symmetrical variations in direction of curves based on the curvature analysis</li></ul>

# *Simple Pavilion*

## COMPARISON CHART

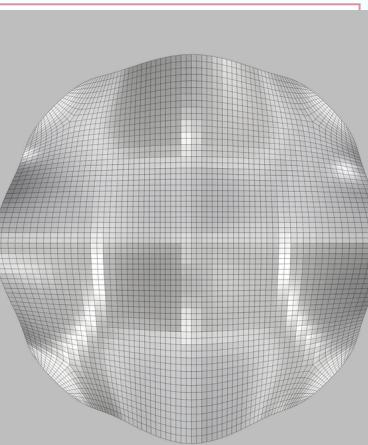
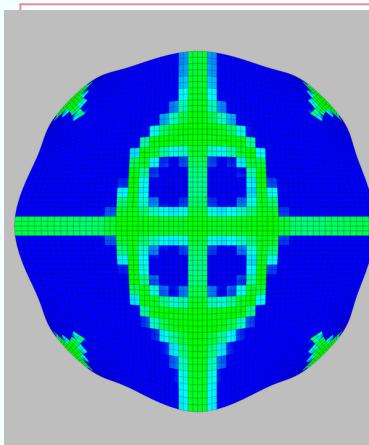
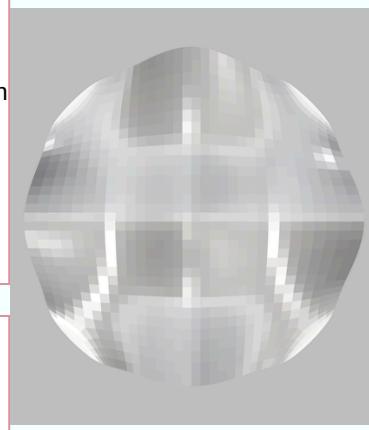
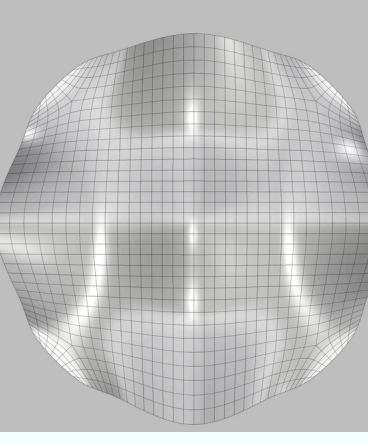
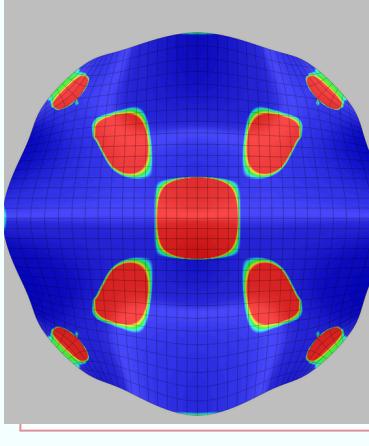
FBX SUBD LEVEL 3

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
1.47		Unweld 22.5 degrees; Open mesh to SubD surface SubD to NURBS		<ul style="list-style-type: none"><li>Significant increase in number of faces and edges</li><li>Symmetrical variations in direction of curves based on the curvature analysis</li></ul> 
1.48		Unweld 22.5 degrees; Open mesh to SubD surface SubD to Mesh		<ul style="list-style-type: none"><li>Significant increase in number of faces and edges</li><li>Symmetrical variations in direction of curves based on the curvature analysis</li></ul>

# *Simple Pavilion*

## COMPARISON CHART

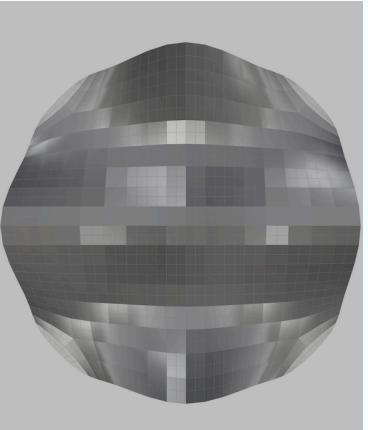
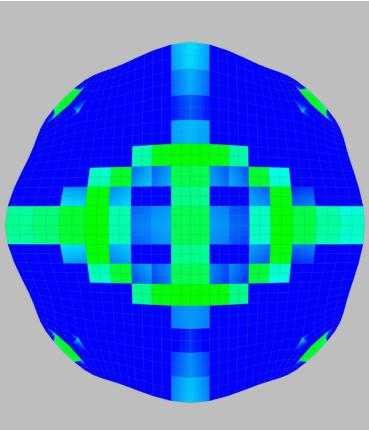
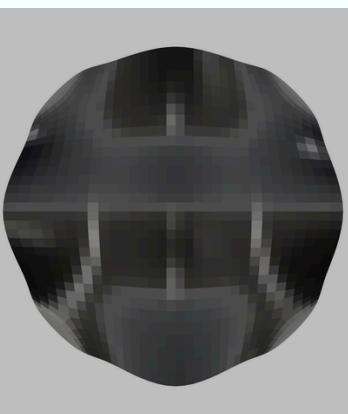
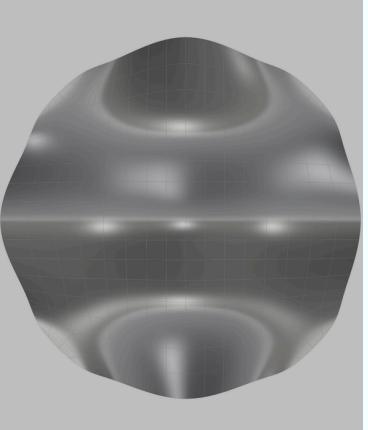
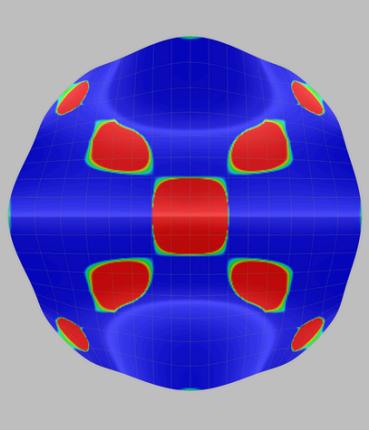
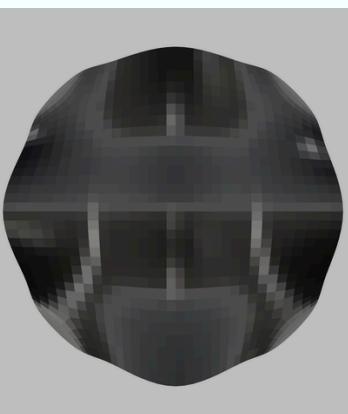
FBX SUBD LEVEL 3

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
1.49		Unweld 1 degree Mesh to NURBS		<ul style="list-style-type: none"><li>• Significant increase in number of faces and edges</li><li>• Symmetrical variations in direction of curves based on the curvature analysis</li></ul> 
1.50		Unweld 1 degree Mesh to SubD		<ul style="list-style-type: none"><li>• Significant increase in number of faces and edges</li><li>• Symmetrical variations in direction of curves based on the curvature analysis</li></ul>

# *Simple Pavilion*

## COMPARISON CHART

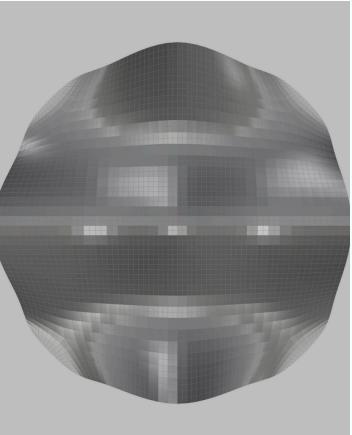
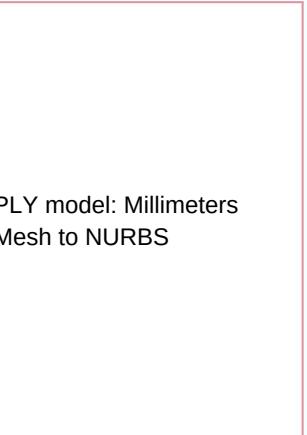
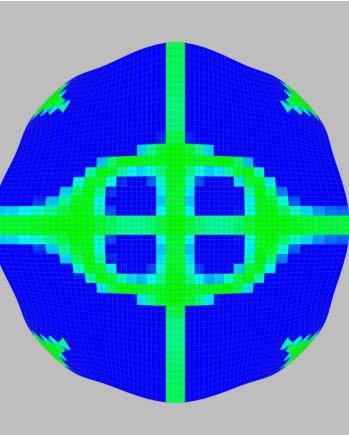
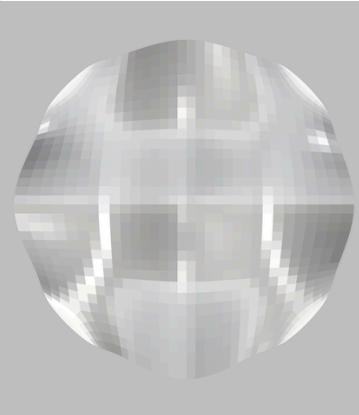
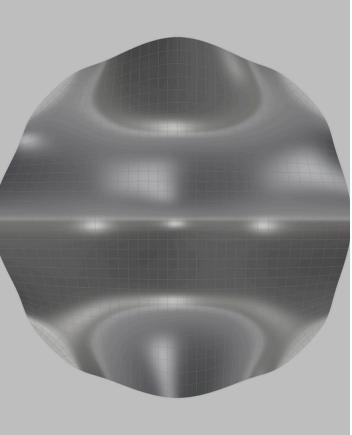
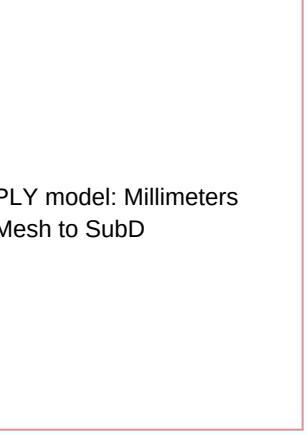
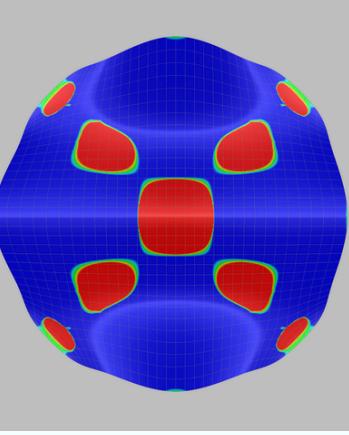
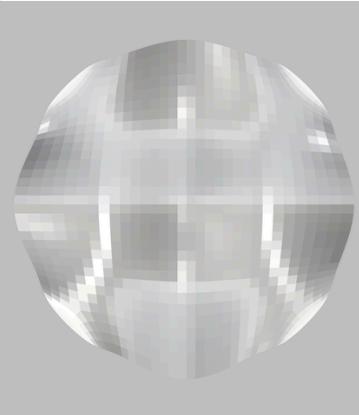
PLY SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
1.21		<p>PLY model: Millimeters Mesh to NURBS</p>		<ul style="list-style-type: none"><li>• Symmetrical variations in direction of curves based on the curvature analysis</li></ul> 
1.22		<p>PLY model: Millimeters Mesh to SubD</p>		<ul style="list-style-type: none"><li>• Symmetrical variations in direction of curves based on the curvature analysis</li></ul> 

# *Simple Pavilion*

## COMPARISON CHART

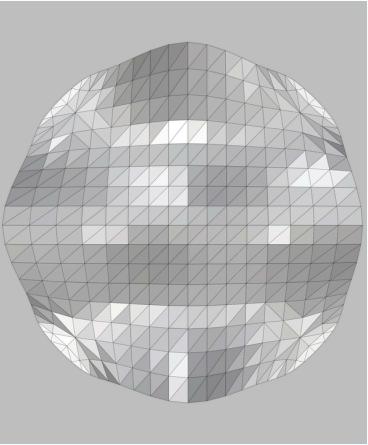
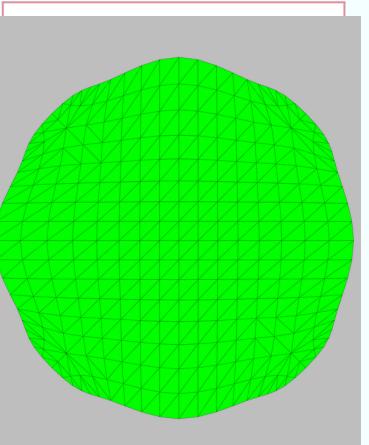
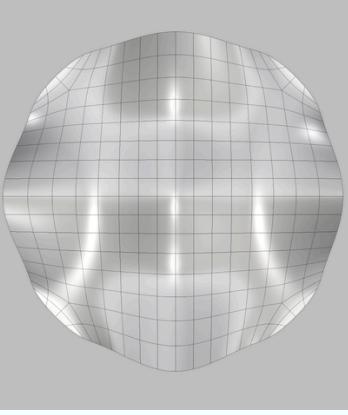
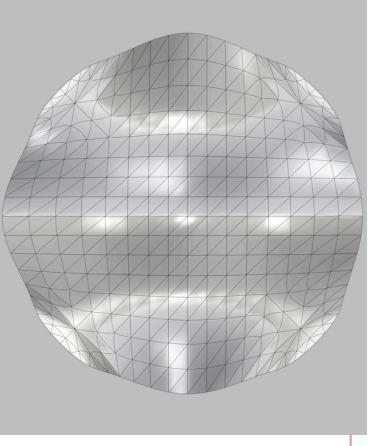
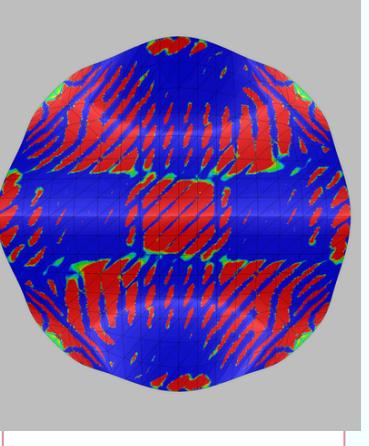
PLY SUBD LEVEL 3

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
1.51		 PLY model: Millimeters Mesh to NURBS		<ul style="list-style-type: none"><li>• Symmetrical variations in direction of curves based on the curvature analysis</li></ul> 
1.52		 PLY model: Millimeters Mesh to SubD		<ul style="list-style-type: none"><li>• Symmetrical variations in direction of curves based on the curvature analysis</li><li>• Texture of pavilion is smoother than its NURB counterpart</li></ul> 

# Simple Pavilion

## COMPARISON CHART

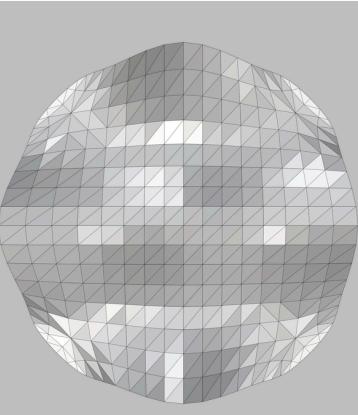
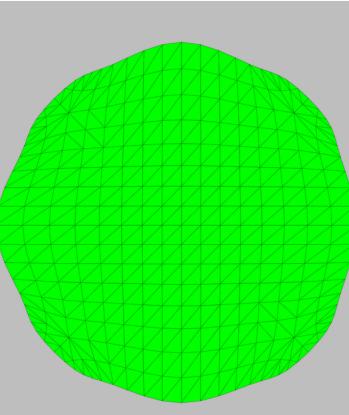
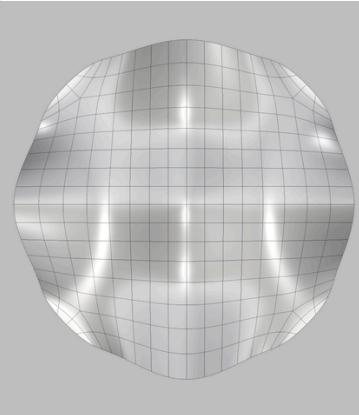
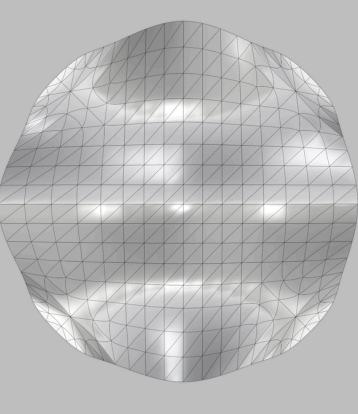
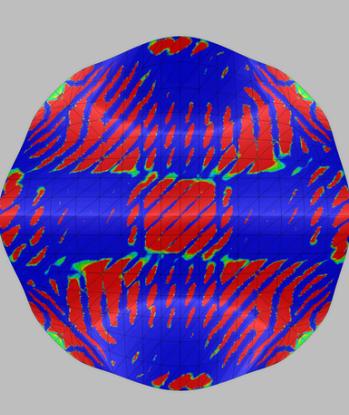
STL SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
1.23		<p>Weld angle: 22.5 degrees; Split disjoint meshes Mesh to NURBS</p>		<ul style="list-style-type: none"><li>This format had more triangulated meshes and faces</li><li>This model has its curve analysis showing that there are no anomalies in the shape</li></ul> 
1.24		<p>Weld angle: 22.5 degrees; Split disjoint meshes Mesh to SubD</p>		<ul style="list-style-type: none"><li>The curves in this model are not continuous</li><li>The direction of curvature changes briefly in several areas</li></ul>

# *Simple Pavilion*

## COMPARISON CHART

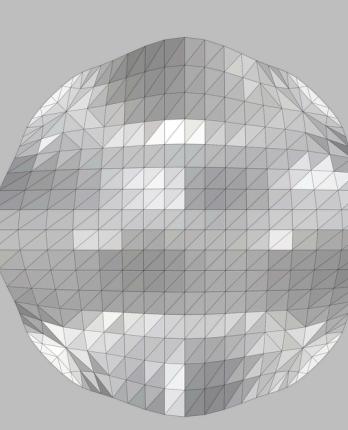
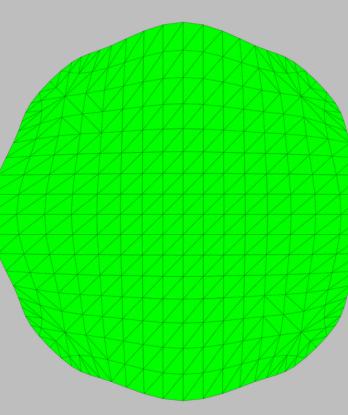
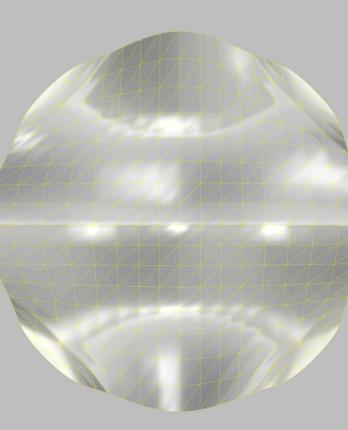
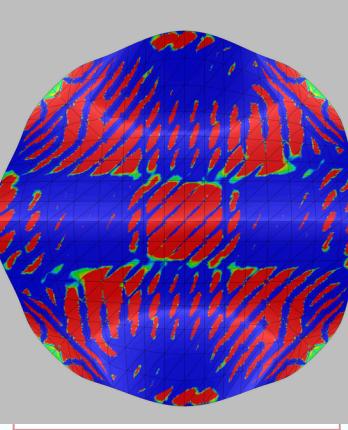
STL SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
1.25		<p>Split disjoint meshes Mesh to NURBS</p>		<ul style="list-style-type: none"><li>This model has its curve analysis showing that there are no anomalies in the shape</li></ul> 
1.26		<p>Split disjoint meshes Mesh to SubD</p>		<ul style="list-style-type: none"><li>The curves in this model are not continuous</li><li>The direction of curvature changes briefly in several areas</li></ul>

# *Simple Pavilion*

## COMPARISON CHART

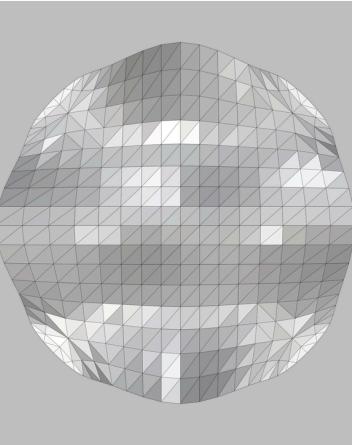
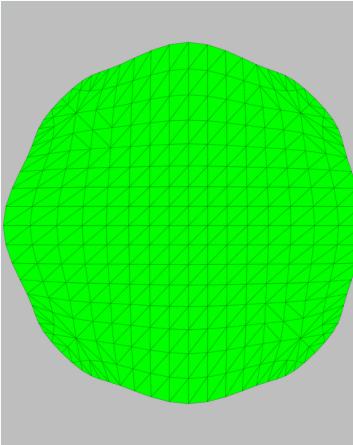
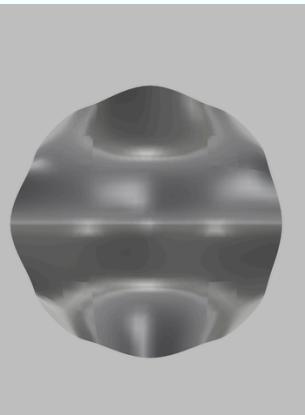
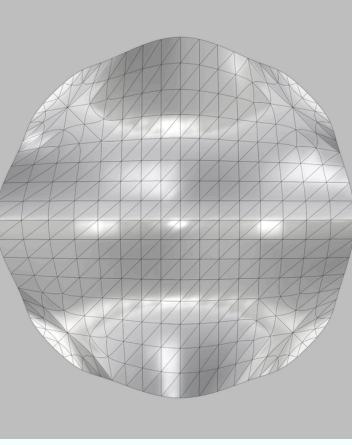
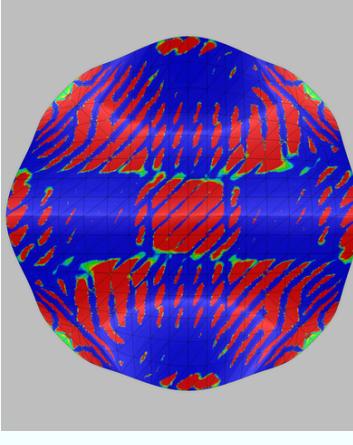
STL SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
1.27		<p>Weld angle 22.5 degrees Mesh to NURBS</p>		<p>This model has its curve analysis showing that there are no anomalies in the shape</p>
1.28		<p>Weld angle 22.5 degrees Mesh to SubD</p>		<p>The curves in this model are not continuous The direction of curvature changes briefly in several areas</p>

# Simple Pavilion

## COMPARISON CHART

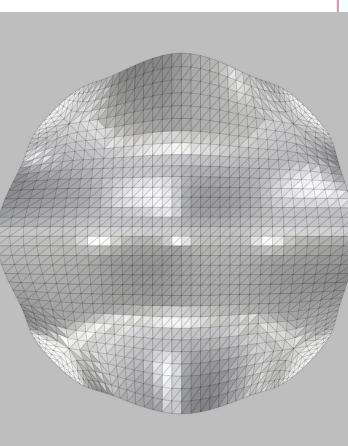
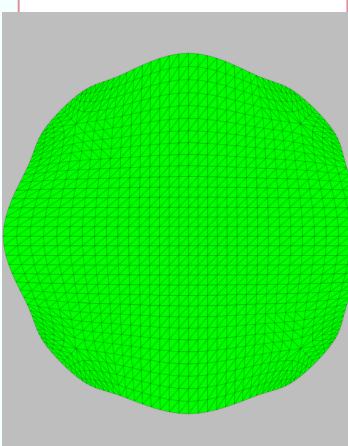
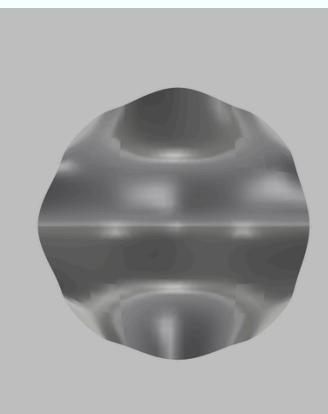
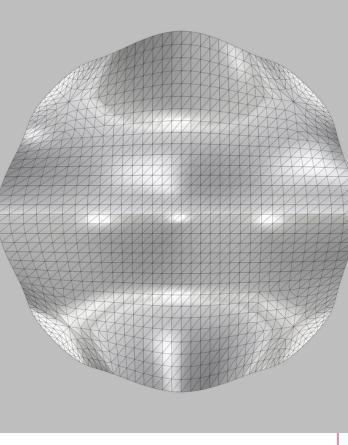
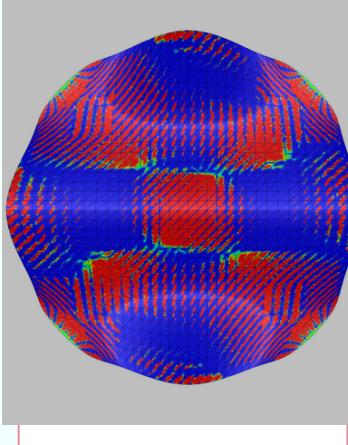
STL SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS	
1.29		<p>Weld angle 1 degrees Mesh to NURBS</p>		<p>This model has its curve analysis showing that there are no anomalies in the shape</p>	
1.30		<p>Weld angle 1 degrees Mesh to SubD</p>		<p>The curves in this model are not continuous The direction of curvature changes briefly in several areas</p>	

# Simple Pavilion

## COMPARISON CHART

STL SUBD LEVEL 3

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
1.53		<p>Weld angle: 22.5 degrees; Split disjoint meshes Mesh to NURBS</p>		<ul style="list-style-type: none"> <li>Significant increase in the number of edges and faces</li> <li>This model has its curve analysis showing that there are no anomalies in the shape</li> </ul> 
1.54		<p>Weld angle: 22.5 degrees; Split disjoint meshes Mesh to SubD</p>		<ul style="list-style-type: none"> <li>Significant increase in the number of edges and faces</li> <li>The curves in this model are not continuous</li> <li>The direction of curvature changes briefly in several areas</li> </ul>

# *Simple Pavilion*

## COMPARISON CHART

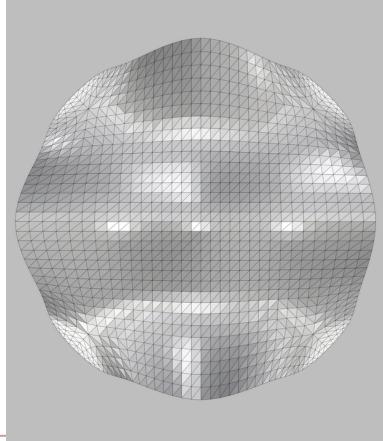
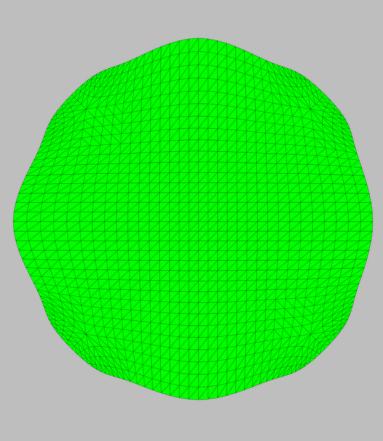
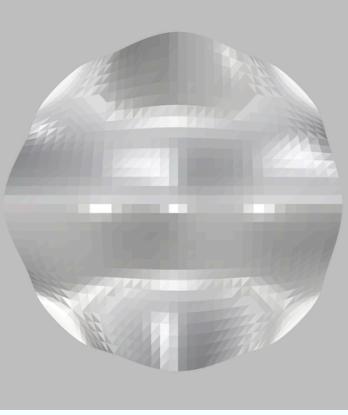
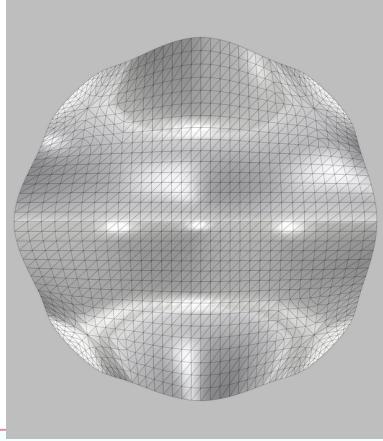
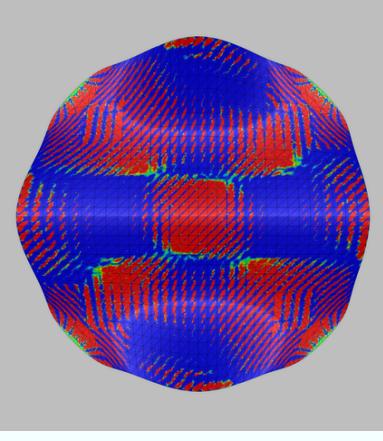
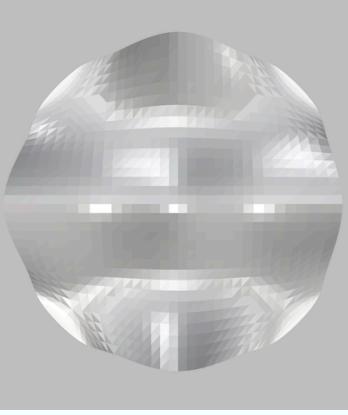
STL SUBD LEVEL 3

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
1.55		<p>Split disjoint meshes Mesh to NURBS</p>		<ul style="list-style-type: none"><li>The increased number of faces and edges makes for a smoother texture</li><li>This model has its curve analysis showing that there are no anomalies in the shape</li></ul>
1.56		<p>Split disjoint meshes Mesh to SubD</p>		<p>The curves in this model are not continuous The direction of curvature changes briefly in several areas</p>

# *Simple Pavilion*

## COMPARISON CHART

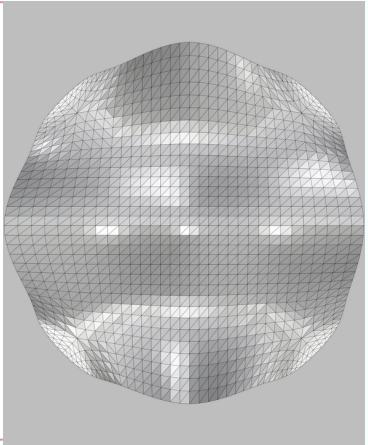
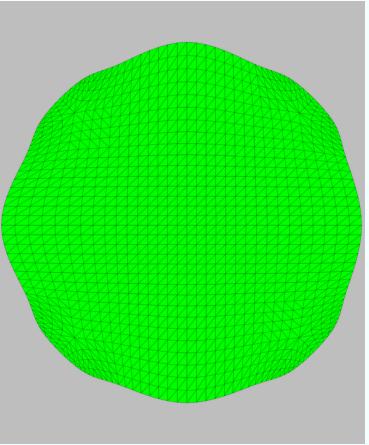
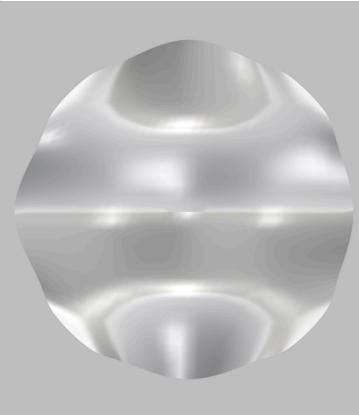
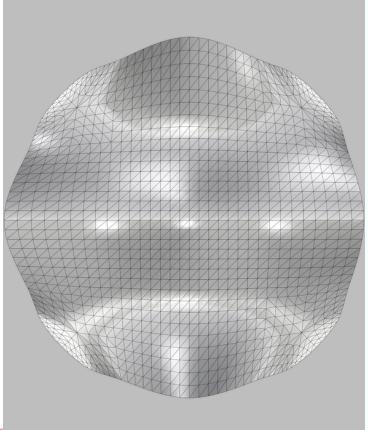
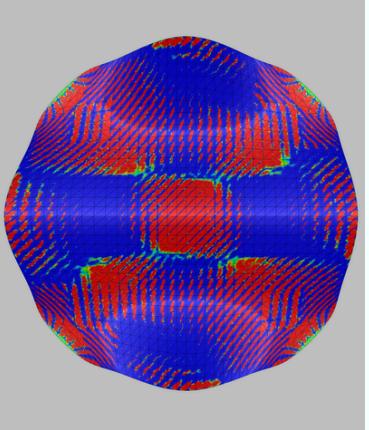
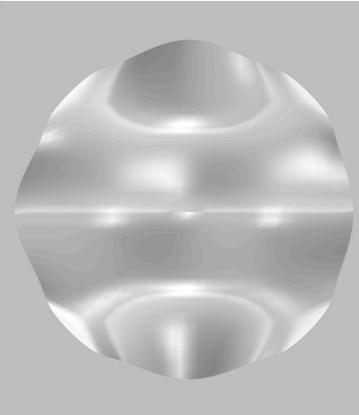
STL SUBD LEVEL 3

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
1.57		Weld angle 22.5 degrees Mesh to NURBS		<ul style="list-style-type: none"><li>This model has its curve analysis showing that there are no anomalies in the shape</li></ul> 
1.58		Weld angle 22.5 degrees Mesh to SubD		<ul style="list-style-type: none"><li>The curves in this model are not continuous</li><li>The direction of curvature changes briefly in several areas</li></ul> 

# *Simple Pavilion*

## COMPARISON CHART

STL SUBD LEVEL 3

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
1.59		Weld angle 1 degrees Mesh to NURBS		<ul style="list-style-type: none"><li>This model has its curve analysis showing that there are no anomalies in the shape</li></ul> 
1.60		Weld angle 1 degrees Mesh to SubD		<ul style="list-style-type: none"><li>The curves in this model are not continuous</li><li>The direction of curvature changes briefly in several areas</li></ul> 

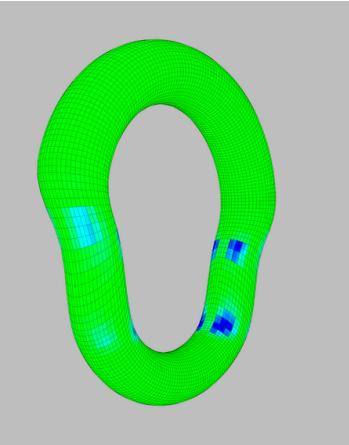
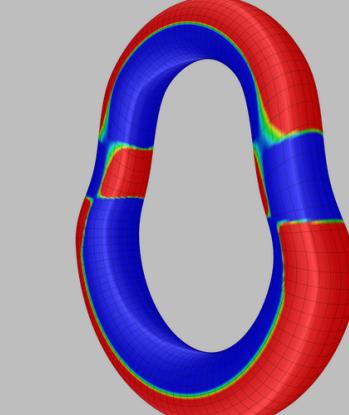
# *Closed Volume*

## COMPARISON CHART

EXPORT TYPE	SUBD LEVEL	FILE SIZE
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OBJ	3	1.17 MB
FBX	2	117 KB
FBX	3	414 KB
PLY	2	88.7 KB
PLY	3	344 KB
STL	2	225 KB
STL	3	900 KB

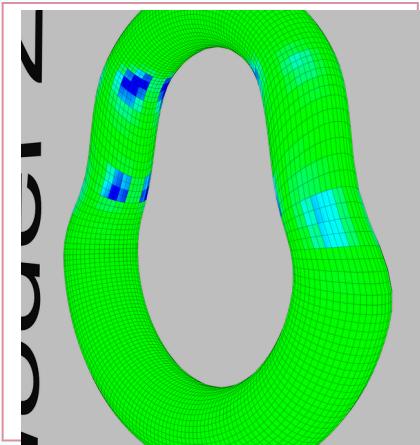
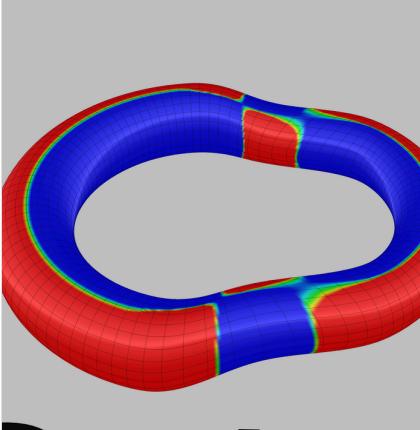
# Closed Volume COMPARISON CHART

OBJ SUBD LEVEL 1

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
2.01		<p>Import group as: Nothing; Import object as: Nothing; Import as morph target; Mesh to NURBS</p>		<ul style="list-style-type: none"><li>The quad shapes are not regular in size</li><li>The curves in this model are continuous with very few anomalies in the curve which are in the same direction</li></ul>
2.02		<p>Import group as: Nothing; Import object as: Nothing; Import as morph target; Mesh to SubD</p>		<ul style="list-style-type: none"><li>The curvature analysis shows that there are anomalies in the shape in both directions</li></ul>

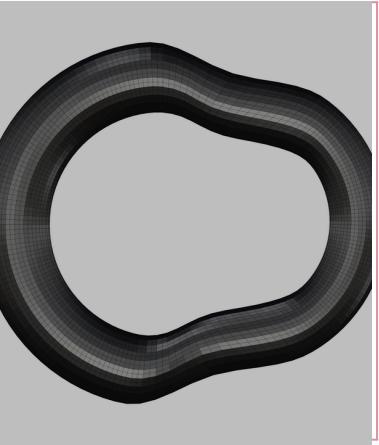
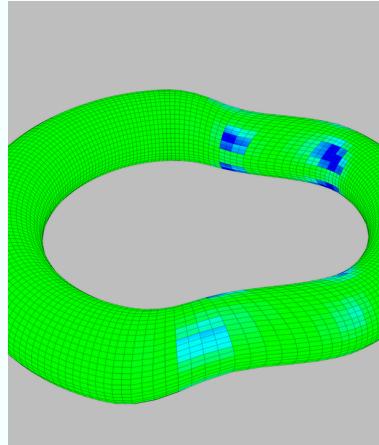
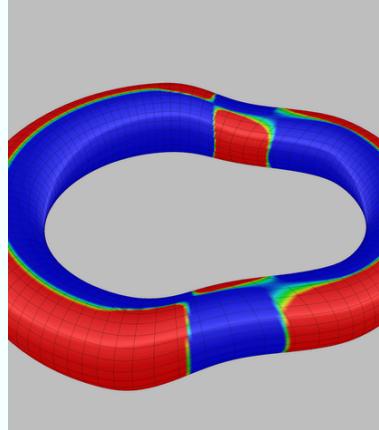
# Closed Volume COMPARISON CHART

OBJ SUBD LEVEL 1

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
2.03		Import group as: Nothing; Import object as: Layers; Import as morph target; Mesh to NURBS		<ul style="list-style-type: none"><li>The quad shapes are not regular in size</li><li>The curves in this model are continuous with very few anomalies in the curve which are in the same direction</li></ul>
2.04		Import group as: Nothing; Import object as: Layers; Import as morph target; Mesh to SubD		<ul style="list-style-type: none"><li>THE CURVATURE ANALYSIS SHOWS THAT THERE ARE ANOMALIES IN THE SHAPE IN BOTH DIRECTIONS</li></ul>

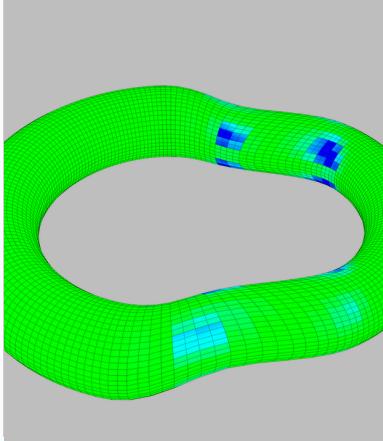
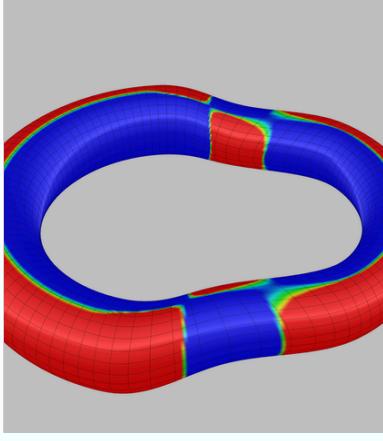
# Closed Volume COMPARISON CHART

OBJ SUBD LEVEL 1

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
2.05		<p>Import group as: Layers; Import object as: Groups; Import as Reverse Group Order; Mesh to NURBS</p>		<ul style="list-style-type: none"><li>The quad shapes are not regular in size</li><li>The curves in this model are continuous with very few anomalies in the curve which are in the same direction</li></ul>
2.06		<p>Import group as: Layers; Import object as: Groups; Group Order; Mesh to SubD</p>		<ul style="list-style-type: none"><li>The curvature analysis shows that there are anomalies in the shape in both directions</li></ul>

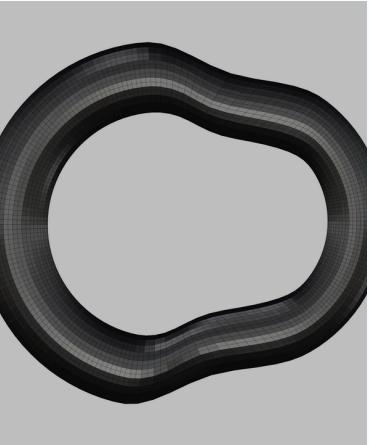
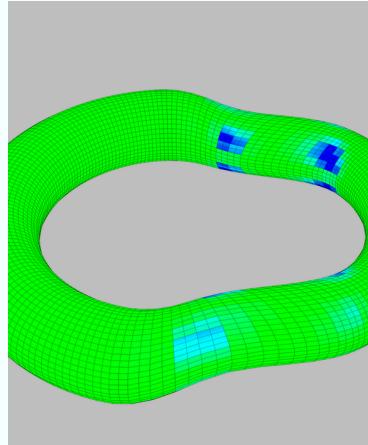
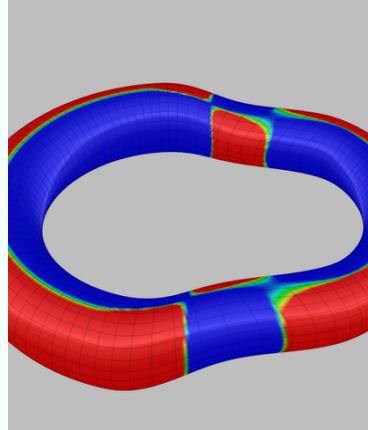
# Closed Volume COMPARISON CHART

OBJ SUBD LEVEL 1

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS	
2.07		Import group as: Layers; Import object as: Groups; Ignore Textures; Mesh to NURBS		<ul style="list-style-type: none"><li>The quad shapes are not regular in size</li><li>The curves in this model are continuous with very few anomalies in the curve which are in the same direction</li></ul>	
2.08		Import group as: Layers; Import object as: Groups; Ignore Textures; Mesh to SubD		<ul style="list-style-type: none"><li>The curves in this model are not continuous</li><li>The direction of curvature changes direction briefly where the torus narrows</li><li>Anomalies in direction of curves in both directions</li></ul>	

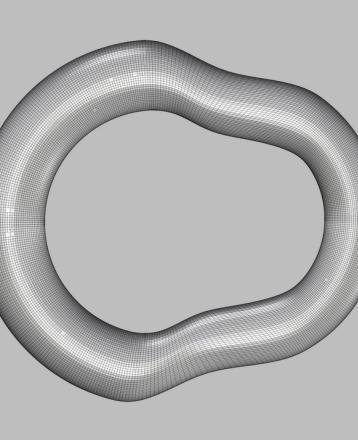
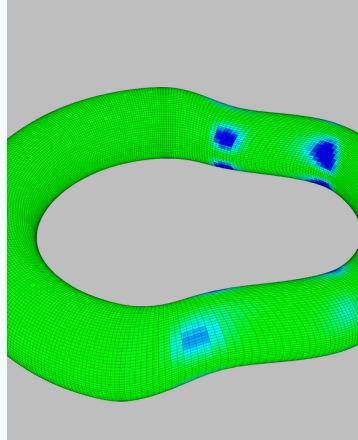
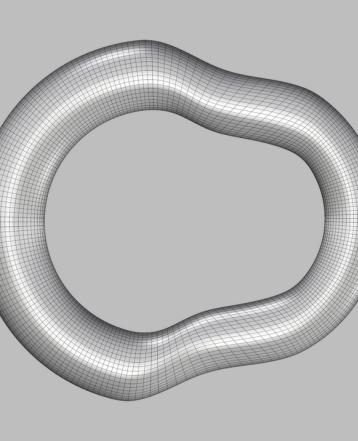
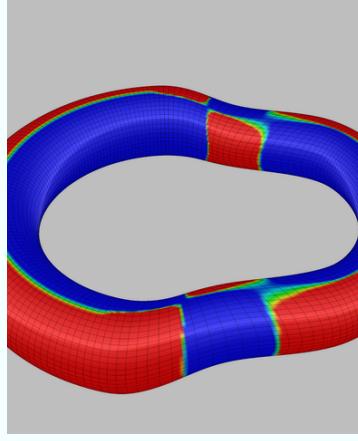
# Closed Volume COMPARISON CHART

OBJ SUBD LEVEL 1

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
2.09		Import group as: Layers; Import object as: Groups; Split 32-bit textures into separate files; Mesh to NURBS		<ul style="list-style-type: none"><li>The quad shapes are not regular in size</li><li>The curves in this model are continuous with very few anomalies in the curve which are in the same direction</li></ul>
2.10		Import group as: Layers; Import object as: Groups; Split 32-bit textures into separate files; Mesh to SubD		<ul style="list-style-type: none"><li>The curves in this model are not continuous</li><li>The direction of curvature changes direction briefly where the torus narrows</li><li>Anomalies in direction of curves in both directions</li></ul>

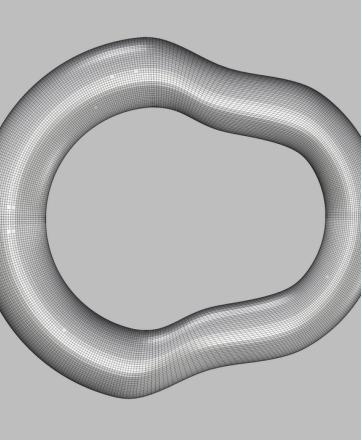
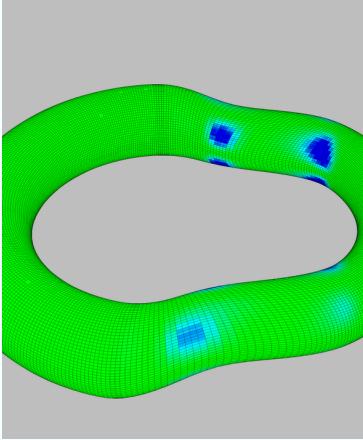
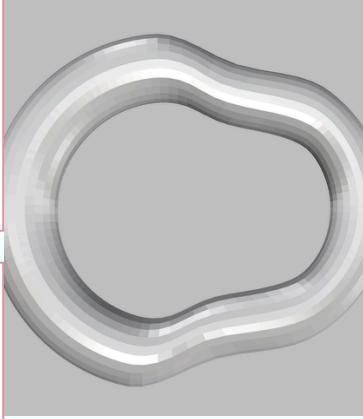
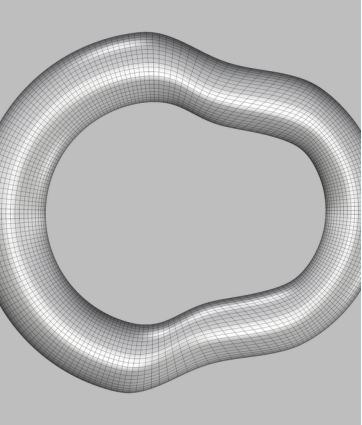
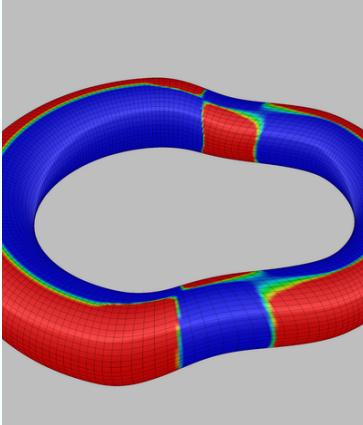
# Closed Volume COMPARISON CHART

OBJ SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
2.31		Import group as: Nothing; Import object as: Nothing; Import as morph target; Mesh to NURBS		<ul style="list-style-type: none"><li>The quad shapes are not regular in size</li><li>The curves in this model are continuous with very few anomalies in the curve which are in the same direction</li></ul>
2.32		Import group as: Nothing; Import object as: Nothing; Import as morph target; Mesh to SubD		THE CURVATURE ANALYSIS SHOWS THAT THERE ARE ANOMALIES IN THE SHAPE IN BOTH DIRECTIONS

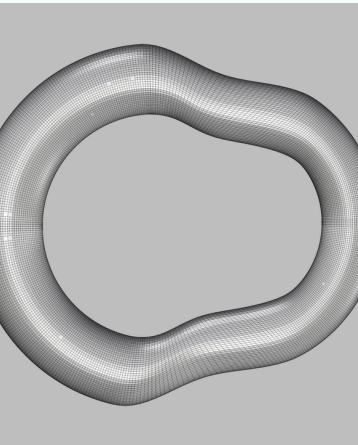
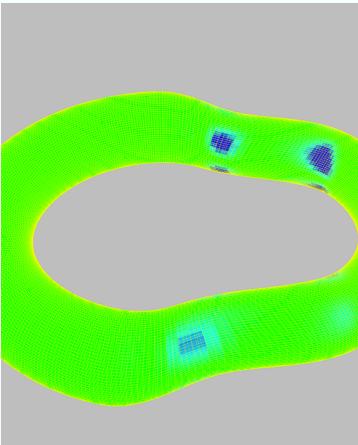
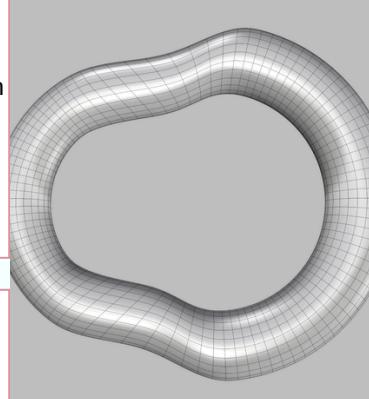
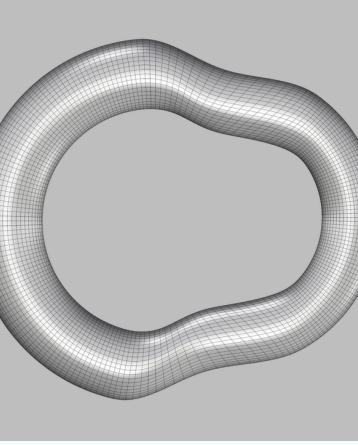
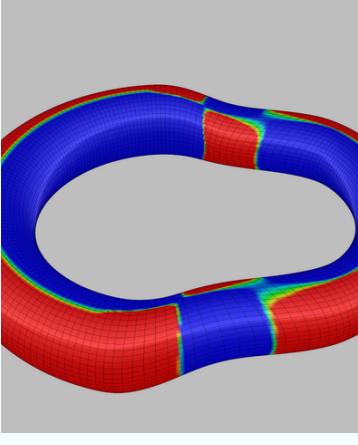
# Closed Volume COMPARISON CHART

OBJ SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
2.33		Import group as: Nothing; Import object as: Layers; Import as morph target; Mesh to NURBS		<ul style="list-style-type: none"> <li>The quad shapes are not regular in size</li> <li>The curves in this model are continuous with very few anomalies in the curve which are in the same direction</li> </ul> 
2.34		Import group as: Nothing; Import object as: Layers; Import as morph target; Mesh to SubD		THE CURVATURE ANALYSIS SHOWS THAT THERE ARE ANOMALIES IN THE SHAPE IN BOTH DIRECTIONS

# Closed Volume COMPARISON CHART

OBJ SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
2.35		Import group as: Layers; Import object as: Groups; Import as Reverse Group Order; Mesh to NURBS		<ul style="list-style-type: none"><li>The quad shapes are not regular in size</li><li>The curves in this model are continuous with very few anomalies in the curve which are in the same direction</li></ul> 
2.36		Import group as: Layers; Import object as: Groups; Group Order; Mesh to SubD		THE CURVATURE ANALYSIS SHOWS THAT THERE ARE ANOMALIES IN THE SHAPE IN BOTH DIRECTIONS

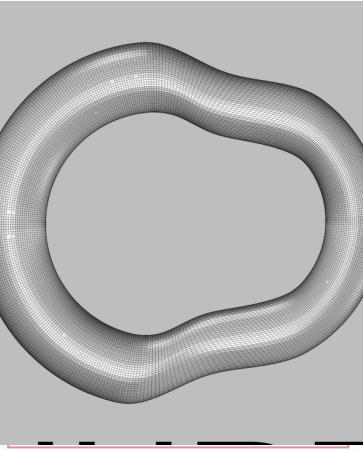
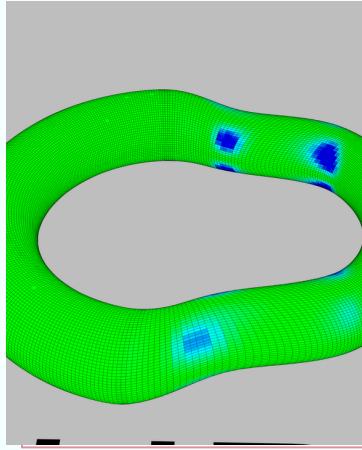
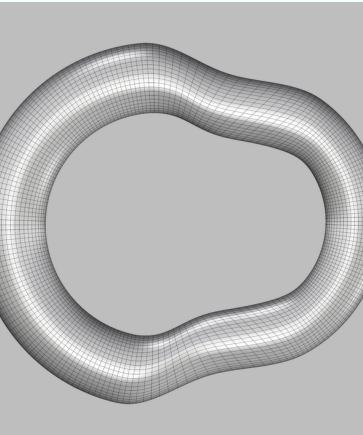
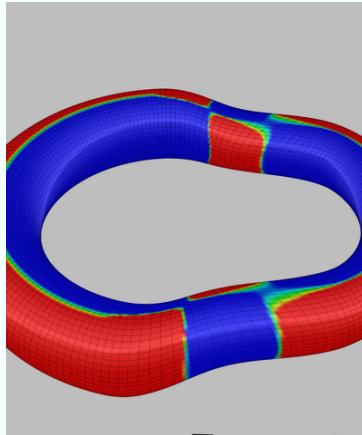
# Closed Volume COMPARISON CHART

OBJ SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
2.37		Import group as: Layers; Import object as: Groups; Ignore Textures; Mesh to NURBS		<ul style="list-style-type: none"><li>The quad shapes are not regular in size</li><li>The curves in this model are continuous with very few anomalies in the curve which are in the same direction</li></ul>
2.38		Import group as: Layers; Import object as: Groups; Ignore Textures; Mesh to SubD		THE CURVATURE ANALYSIS SHOWS THAT THERE ARE ANOMALIES IN THE SHAPE IN BOTH DIRECTIONS

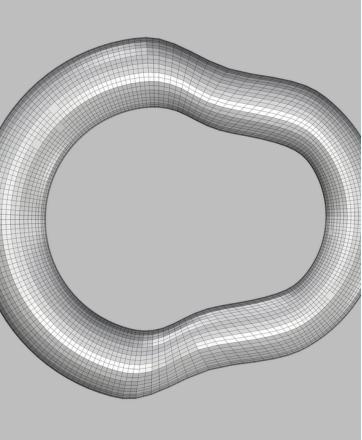
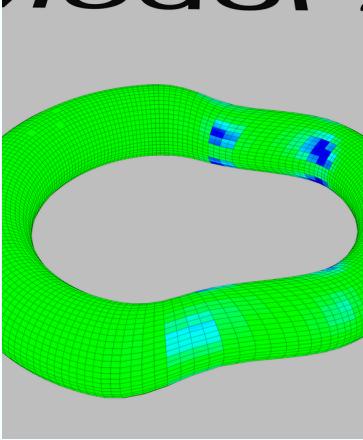
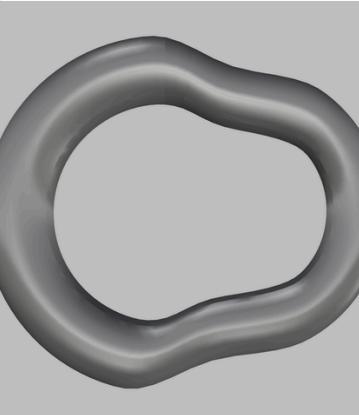
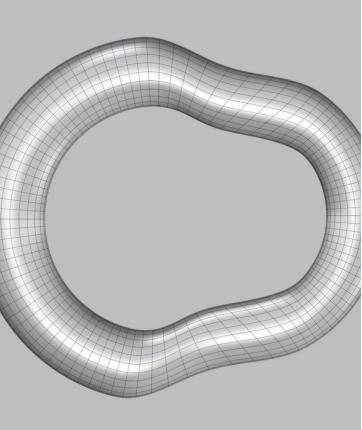
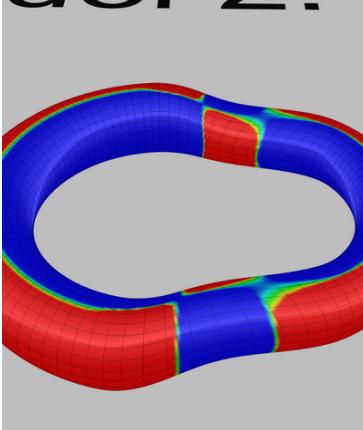
# Closed Volume COMPARISON CHART

OBJ SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
2.39		Import group as: Layers; Import object as: Groups; Split 32-bit textures into separate files; Mesh to NURBS		<ul style="list-style-type: none"><li>The quad shapes are not regular in size</li><li>The curves in this model are continuous with very few anomalies in the curve which are in the same direction</li></ul>
2.40		Import group as: Layers; Import object as: Groups; Split 32-bit textures into separate files; Mesh to SubD		THE CURVATURE ANALYSIS SHOWS THAT THERE ARE ANOMALIES IN THE SHAPE IN BOTH DIRECTIONS

# Closed Volume COMPARISON CHART

FBX SUBD LEVEL 1

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
2.11		No Options Selected Mesh to NURBS		<ul style="list-style-type: none"><li>The quad shapes are not regular in size</li><li>The curves in this model are continuous with very few anomalies in the curve which are in the same direction</li></ul> 
2.12		No Options Selected Mesh to SubD		THE CURVATURE ANALYSIS SHOWS THAT THERE ARE ANOMALIES IN THE SHAPE IN BOTH DIRECTIONS

# Closed Volume COMPARISON CHART

FBX SUBD LEVEL 1

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
2.13		Unweld 22.5 degrees Mesh to NURBS		<ul style="list-style-type: none"><li>The quad shapes are not regular in size</li><li>The curves in this model are continuous with very few anomalies in the curve which are in the same direction</li></ul>
2.14		Unweld 22.5 degrees Mesh to SubD		THE CURVATURE ANALYSIS SHOWS THAT THERE ARE ANOMALIES IN THE SHAPE IN BOTH DIRECTIONS

# Closed Volume COMPARISON CHART

FBX SUBD LEVEL 1

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
2.15		<p>Open mesh to SubD surface SubD to NURBS</p>		<ul style="list-style-type: none"><li>The curvature analysis shows that there are anomalies in the shape in both directions</li><li>SubD edges are closer together closer to the outer parts of the volume</li></ul>
2.16		<p>Open mesh to SubD surface SubD Mesh</p>		<ul style="list-style-type: none"><li>The curvature analysis shows that there are anomalies in the shape in both directions</li></ul>

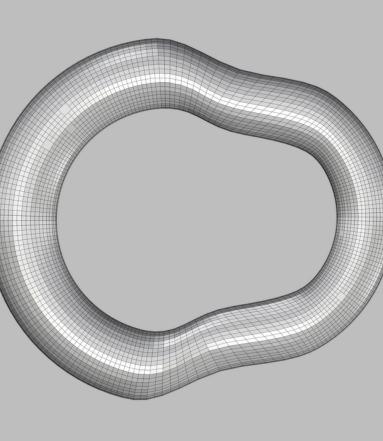
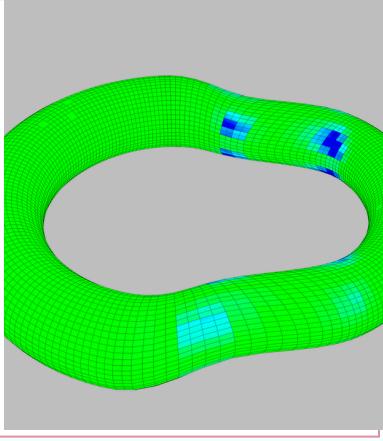
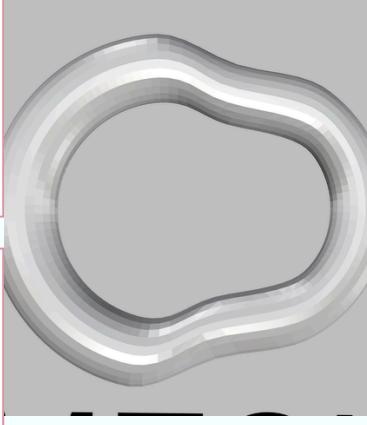
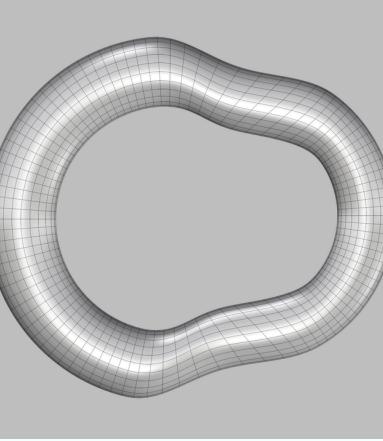
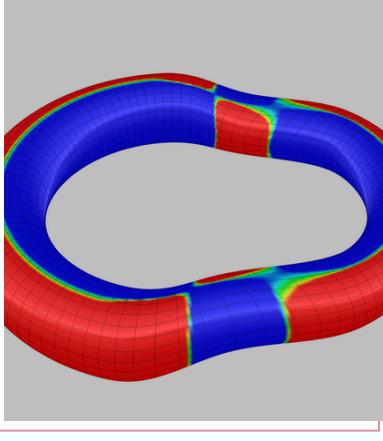
# Closed Volume COMPARISON CHART

FBX SUBD LEVEL 1

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
2.17		Unweld 22.5 degrees; Open mesh to SubD surface SubD to NURBS		<ul style="list-style-type: none"><li>The curvature analysis shows that there are anomalies in the shape in both directions</li></ul>
2.18		Unweld 22.5 degrees; Open mesh to SubD surface SubD to Mesh		<ul style="list-style-type: none"><li>The curvature analysis shows that there are anomalies in the shape in both directions</li></ul>

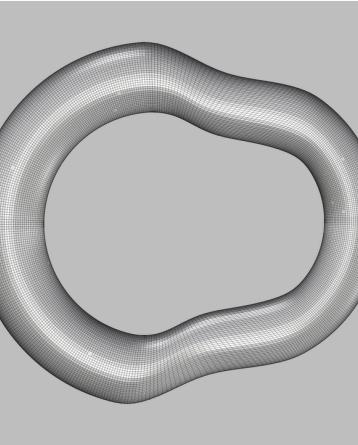
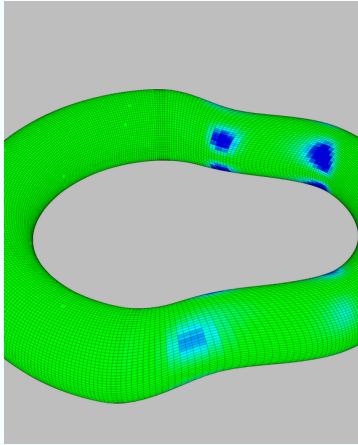
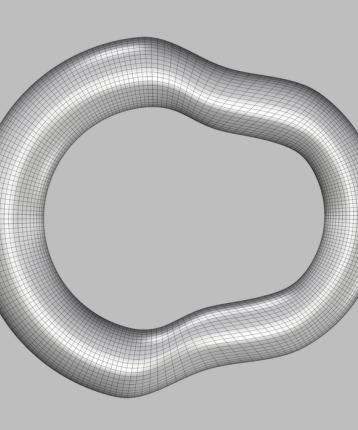
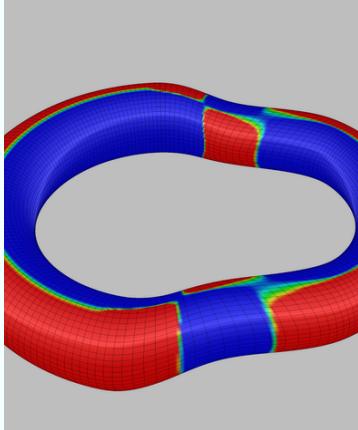
# Closed Volume COMPARISON CHART

FBX SUBD LEVEL 1

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
2.19		Unweld 1 degree Mesh to NURBS		<ul style="list-style-type: none"><li>The quad shapes are not regular in size</li><li>The curves in this model are continuous with very few anomalies in the curve which are in the same direction</li></ul> 
2.20		Unweld 1 degree Mesh to SubD		THE CURVATURE ANALYSIS SHOWS THAT THERE ARE ANOMALIES IN THE SHAPE IN BOTH DIRECTIONS

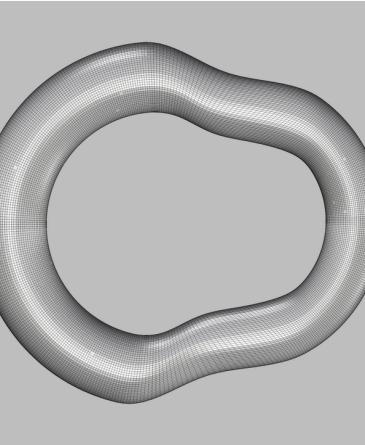
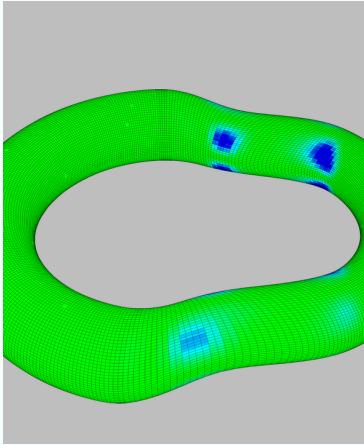
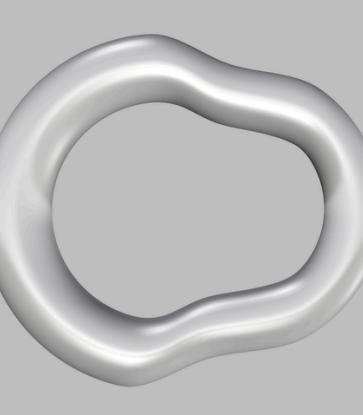
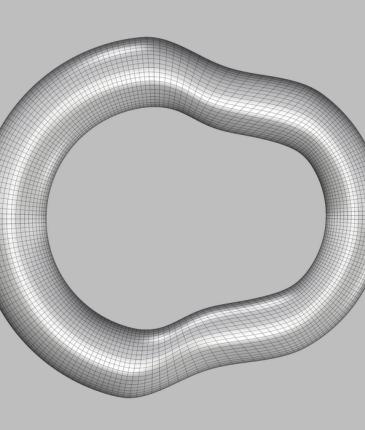
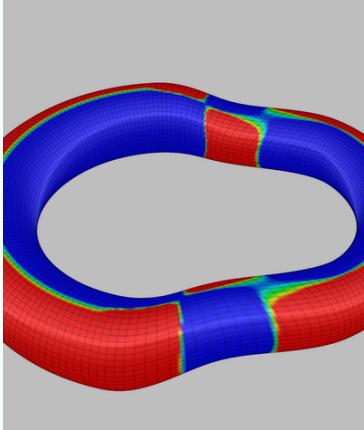
# Closed Volume COMPARISON CHART

FBX SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
2.41		No Options Selected Mesh to NURBS		<ul style="list-style-type: none"><li>The quad shapes are not regular in size</li><li>The curves in this model are continuous with very few anomalies in the curve which are in the same direction</li></ul>
2.42		No Options Selected Mesh to SubD		THE CURVATURE ANALYSIS SHOWS THAT THERE ARE ANOMALIES IN THE SHAPE IN BOTH DIRECTIONS

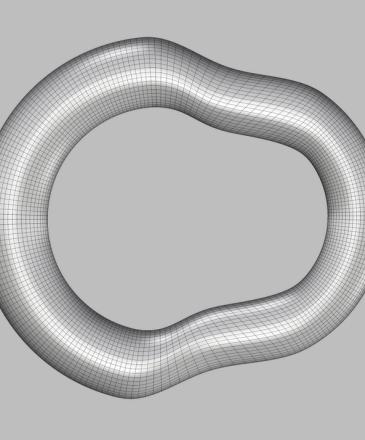
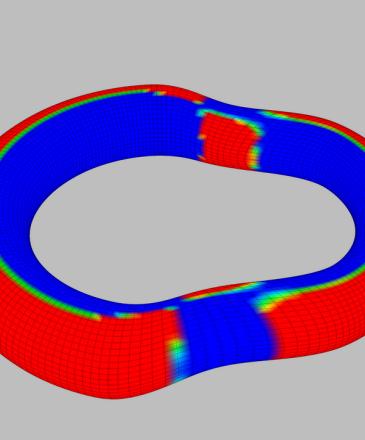
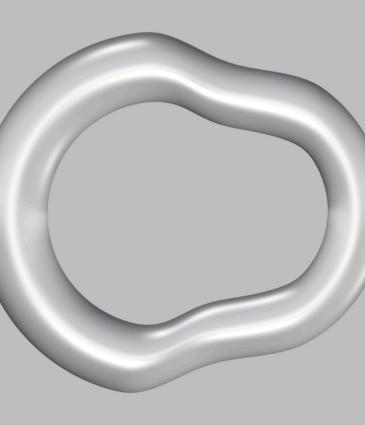
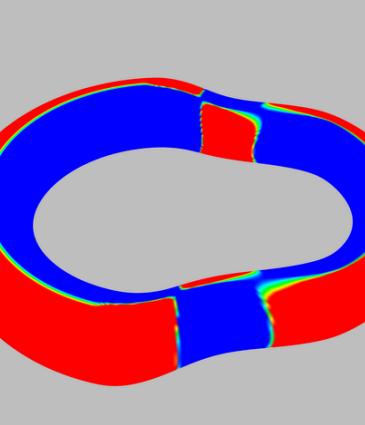
# Closed Volume COMPARISON CHART

FBX SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
2.43		Unweld 22.5 degrees Mesh to NURBS		<ul style="list-style-type: none"><li>The quad shapes are not regular in size</li><li>The curves in this model are continuous with very few anomalies in the curve which are in the same direction</li></ul> 
2.44		Unweld 22.5 degrees Mesh to SubD		<ul style="list-style-type: none"><li>The curvature analysis shows that there are anomalies in the shape in both directions</li></ul>

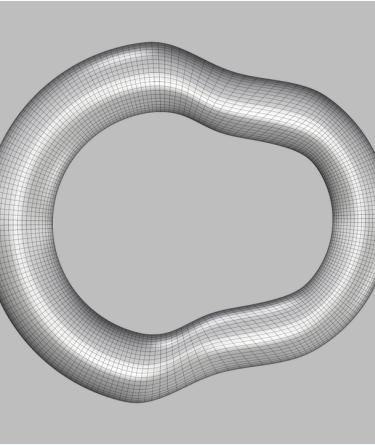
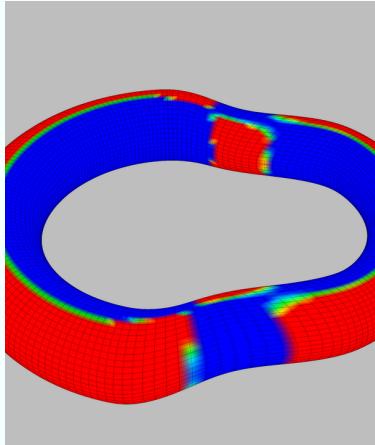
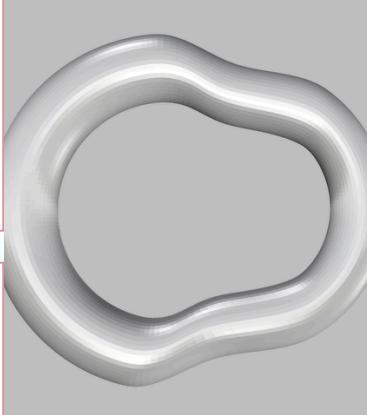
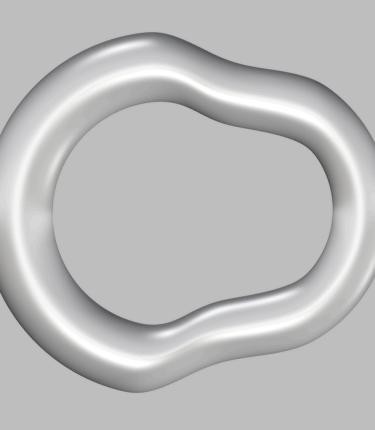
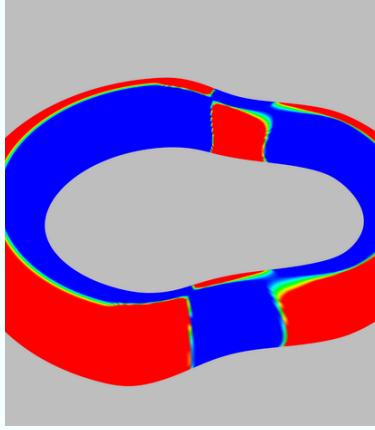
# Closed Volume COMPARISON CHART

FBX SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
2.45		<p>Open mesh to SubD surface SubD to NURBS</p>		<ul style="list-style-type: none"><li>The curvature analysis shows that there are anomalies in the shape in both directions</li><li>Surface lines visible</li></ul> 
2.46		<p>Open mesh to SubD surface SubD to Mesh</p>		<ul style="list-style-type: none"><li>The curvature analysis shows that there are anomalies in the shape in both directions</li></ul>

# Closed Volume COMPARISON CHART

FBX SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
2.47		Unweld 22.5 degrees; Open mesh to SubD surface SubD to NURBS		<ul style="list-style-type: none"> <li>The curvature analysis shows that there are anomalies in the shape in both directions</li> <li>Surface lines visible</li> </ul> 
2.48		Unweld 22.5 degrees; Open mesh to SubD surface SubD to Mesh		<ul style="list-style-type: none"> <li>The curvature analysis shows that there are anomalies in the shape in both directions</li> <li>Smooth texture</li> </ul>

# Closed Volume COMPARISON CHART

FBX SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
2.49		Unweld 1 degree Mesh to NURBS		<ul style="list-style-type: none"><li>The quad shapes are not regular in size</li><li>The curves in this model are continuous with very few anomalies in the curve which are in the same direction</li></ul>
2.50		Unweld 1 degree Mesh to SubD		<ul style="list-style-type: none"><li>The curvature analysis shows that there are anomalies in the shape in both directions</li><li>Surface lines visible</li></ul>

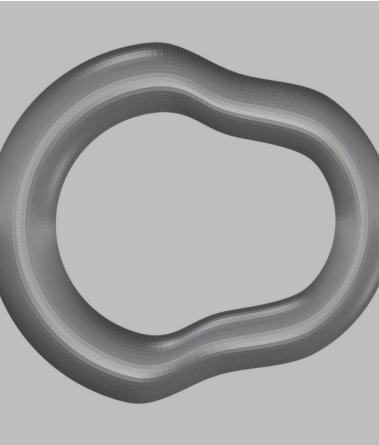
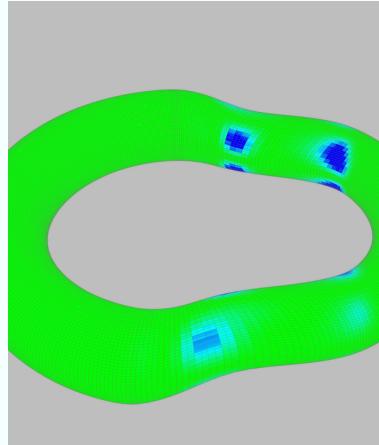
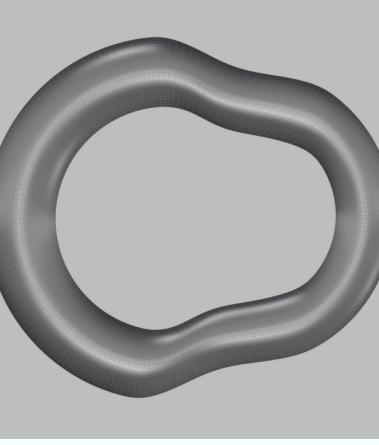
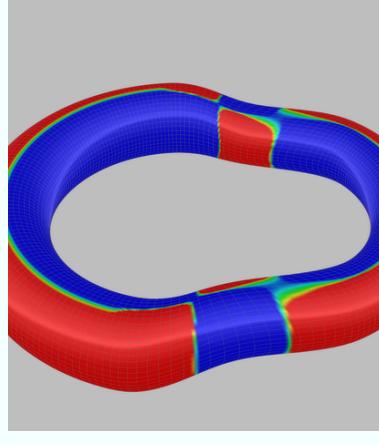
# Closed Volume COMPARISON CHART

PLY SUBD LEVEL 1

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
2.21		PLY model: Millimeters Mesh to NURBS		<ul style="list-style-type: none"><li>The quad shapes are not regular in size</li><li>The curves in this model are continuous with very few anomalies in the curve which are in the same direction</li></ul>
2.22		PLY model: Millimeters Mesh to SubD		<ul style="list-style-type: none"><li>The curvature analysis shows that there are anomalies in the shape in both directions</li><li>Smooth texture</li></ul>

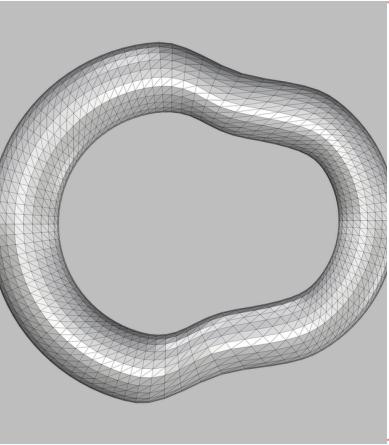
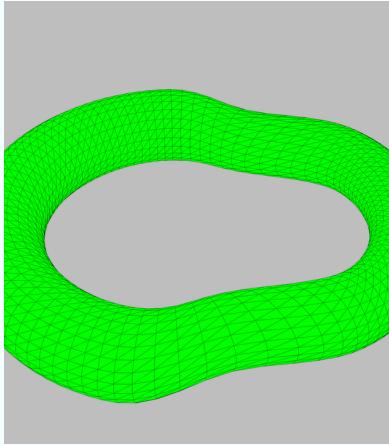
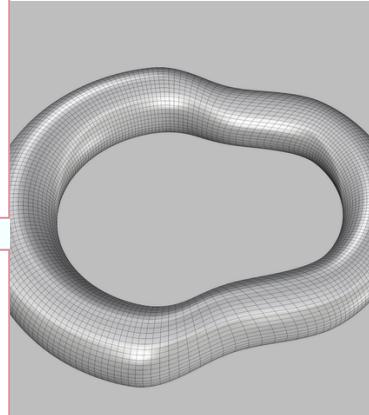
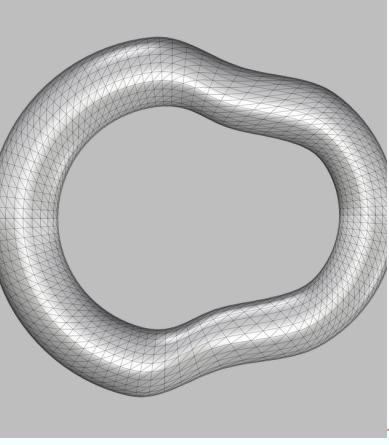
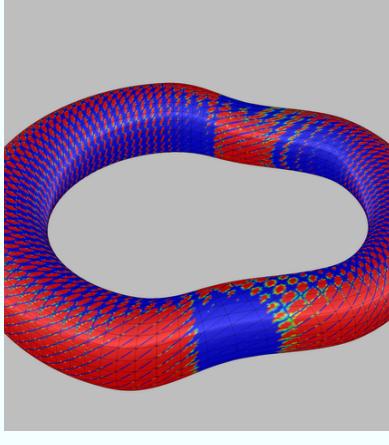
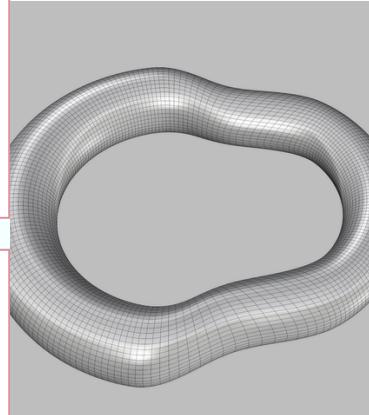
# Closed Volume COMPARISON CHART

PLY SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
2.51		PLY model: Millimeters Mesh to NURBS		<ul style="list-style-type: none"><li>The quad shapes are not regular in size</li><li>The curves in this model are continuous with very few anomalies in the curve which are in the same direction</li></ul>
2.52		PLY model: Millimeters Mesh to SubD		<ul style="list-style-type: none"><li>The curvature analysis shows that there are anomalies in the shape in both directions</li><li>Smooth texture</li></ul>

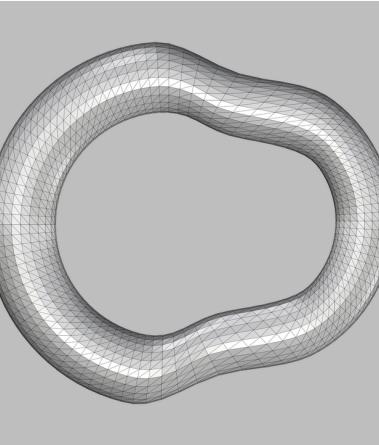
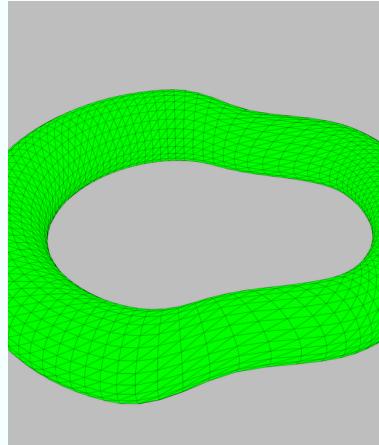
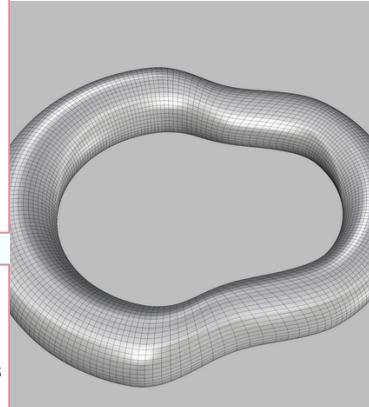
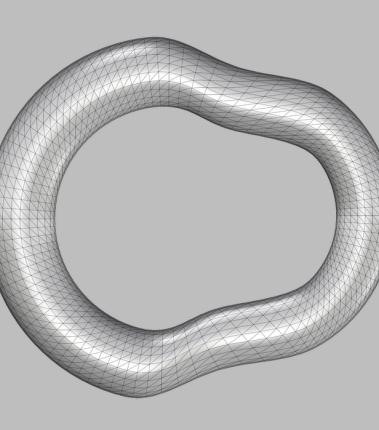
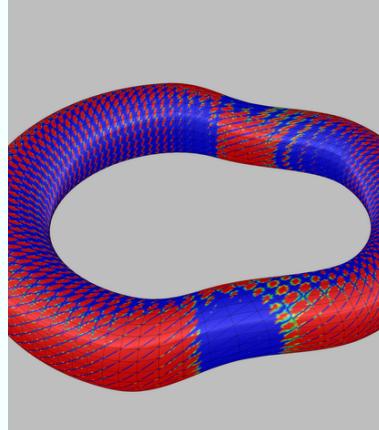
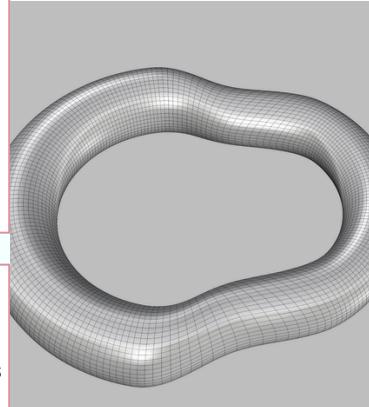
# Closed Volume COMPARISON CHART

STL SUBD LEVEL 1

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
2.23		<p>Weld angle: 22.5 degrees; Split disjoint meshes Mesh to NURBS</p>		<ul style="list-style-type: none"><li>This model has its curve analysis showing that there are no anomalies in the shape</li></ul> 
2.24		<p>Weld angle: 22.5 degrees; Split disjoint meshes Mesh to SubD</p>		<ul style="list-style-type: none"><li>The curvature analysis shows that there are anomalies in the shape in both directions</li><li>The direction of the curvature flips at the point where the torus narrows</li></ul> 

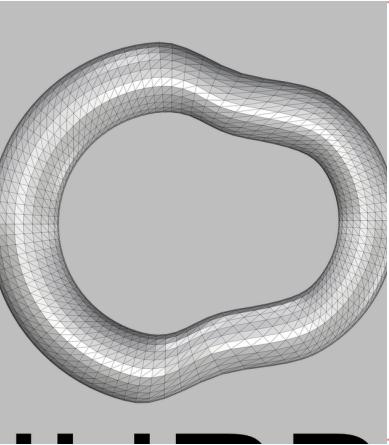
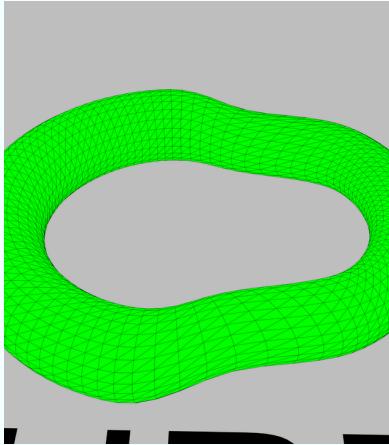
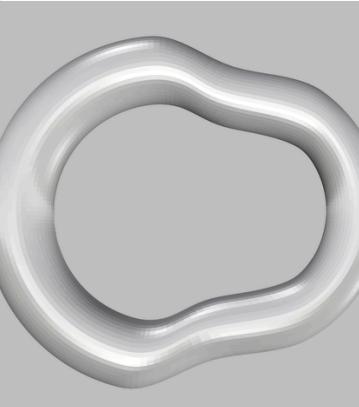
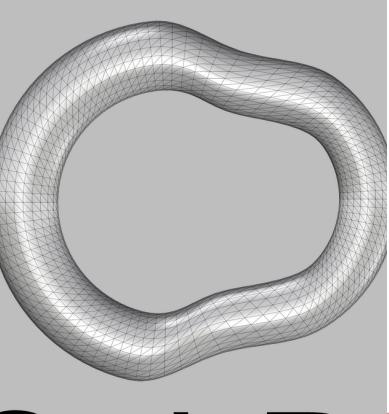
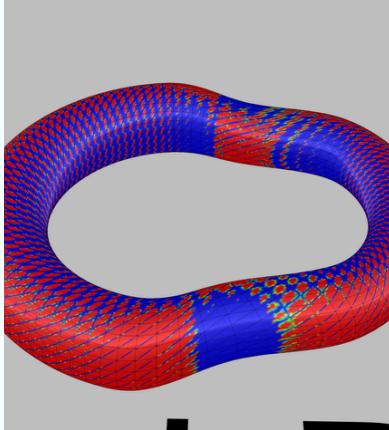
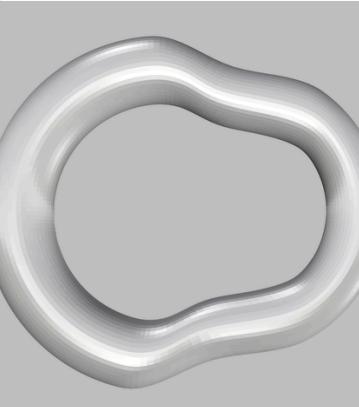
# Closed Volume COMPARISON CHART

STL SUBD LEVEL 1

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
2.25		<p>Split disjoint meshes Mesh to NURBS</p>		<ul style="list-style-type: none"><li>This model has its curve analysis showing that there are no anomalies in the shape</li></ul> 
2.26		<p>Split disjoint meshes Mesh to SubD</p>		<ul style="list-style-type: none"><li>The curvature analysis shows that there are anomalies in the shape in both directions</li><li>The direction of the curvature flips at the point where the torus narrows</li></ul> 

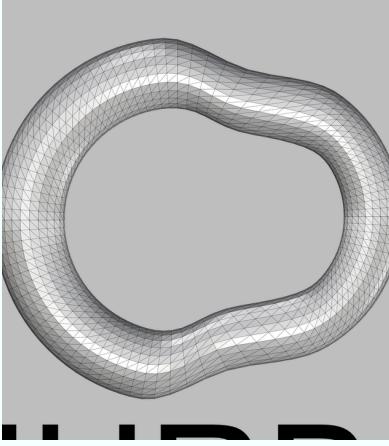
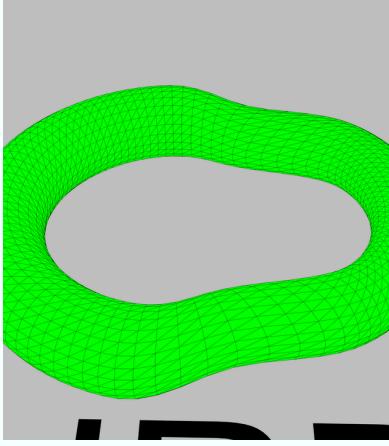
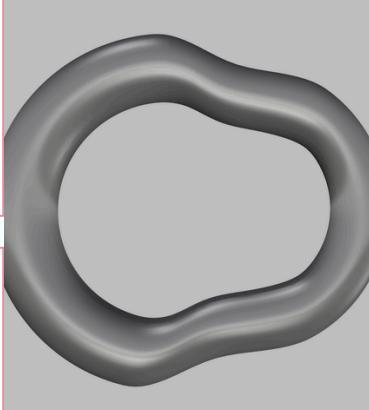
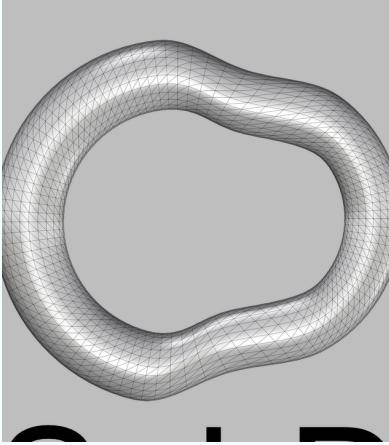
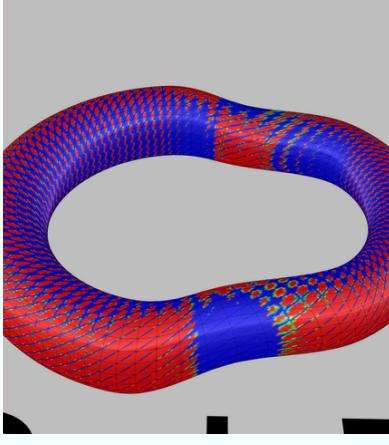
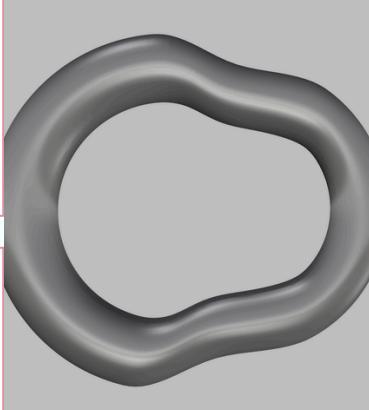
# Closed Volume COMPARISON CHART

STL SUBD LEVEL 1

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
2.27		Weld angle 22.5 degrees Mesh to NURBS		<ul style="list-style-type: none"><li>This model has its curve analysis showing that there are no anomalies in the shape</li></ul> 
2.28		Weld angle 22.5 degrees Mesh to SubD		<ul style="list-style-type: none"><li>The curvature analysis shows that there are anomalies in the shape in both directions</li><li>The direction of the curvature flips at the point where the torus narrows</li></ul> 

# Closed Volume COMPARISON CHART

STL SUBD LEVEL 1

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
2.29		<p>Weld angle 1 degrees Mesh to NURBS</p>		<ul style="list-style-type: none"><li>This model has its curve analysis showing that there are no anomalies in the shape</li></ul> 
2.30		<p>Weld angle 1 degrees Mesh to SubD</p>		<ul style="list-style-type: none"><li>The curvature analysis shows that there are anomalies in the shape in both directions</li><li>The direction of the curvature flips at the point where the torus narrows</li></ul> 

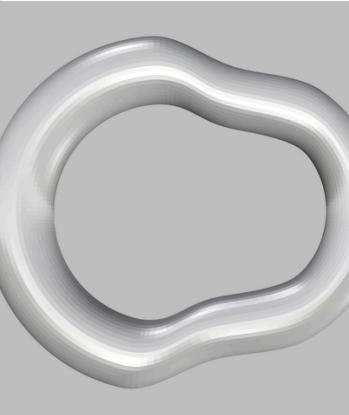
# Closed Volume COMPARISON CHART

STL SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
2.53		<p>Weld angle: 22.5 degrees; Split disjoint meshes Mesh to NURBS</p>		<ul style="list-style-type: none"><li>This model has its curve analysis showing that there are no anomalies in the shape</li><li>Increase in number of faces and edges</li></ul>
2.54		<p>Weld angle: 22.5 degrees; Split disjoint meshes Mesh to SubD</p>		<ul style="list-style-type: none"><li>Curvature analysis command was ineffective ad gave no results</li><li>Increase in number of faces and edges</li></ul>

# Closed Volume COMPARISON CHART

STL SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
2.55		Split disjoint meshes Mesh to NURBS		<ul style="list-style-type: none"><li>This model has its curve analysis showing that there are no anomalies in the shape</li><li>Increase in number of faces and edges</li></ul> 
2.56		Split disjoint meshes Mesh to SubD		<ul style="list-style-type: none"><li>Curvature analysis command was ineffective ad gave no results</li></ul>

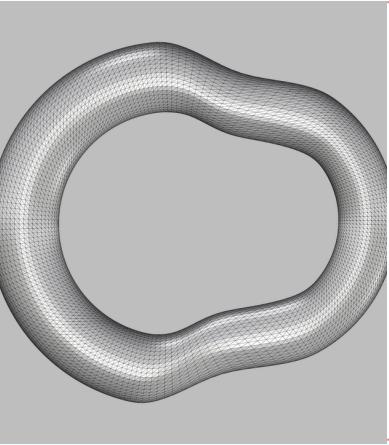
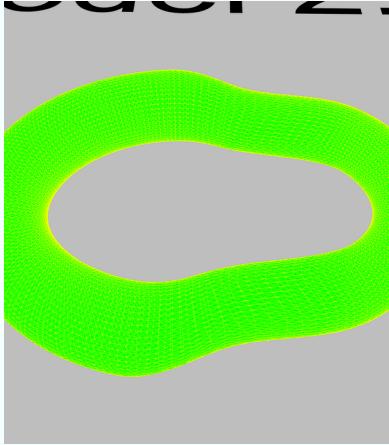
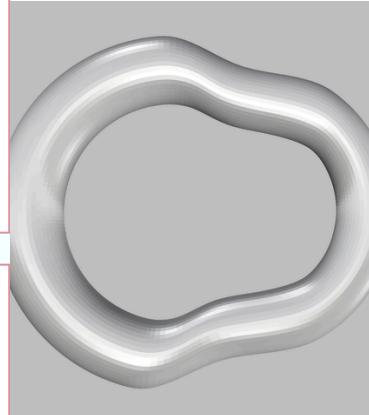
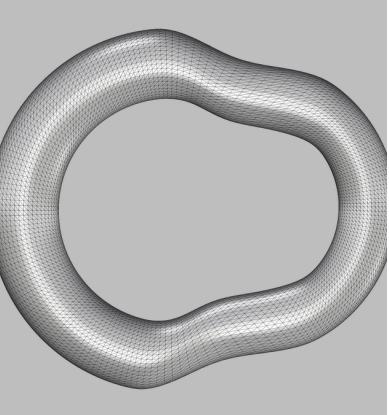
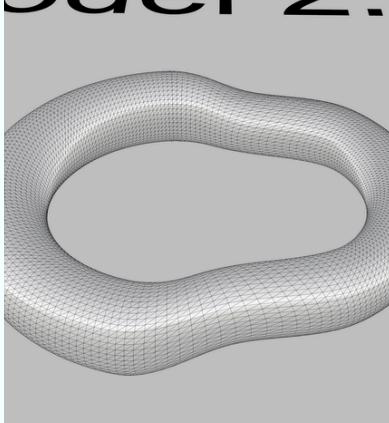
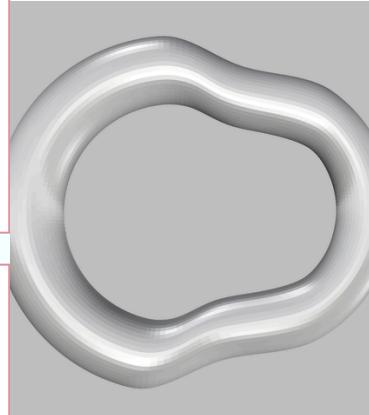
# Closed Volume COMPARISON CHART

STL SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
2.57		Weld angle 22.5 degrees Mesh to NURBS		<ul style="list-style-type: none"><li>This model has its curve analysis showing that there are no anomalies in the shape</li></ul>
2.58		Weld angle 22.5 degrees Mesh to SubD		<ul style="list-style-type: none"><li>Curvature analysis command was ineffective ad gave no results</li></ul>

# Closed Volume COMPARISON CHART

STL SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
2.59		Weld angle 1 degrees Mesh to NURBS		<ul style="list-style-type: none"><li>This model has its curve analysis showing that there are no anomalies in the shape</li></ul> 
2.60		Weld angle 1 degrees Mesh to SubD		<ul style="list-style-type: none"><li>Curvature analysis command was ineffective ad gave no results</li></ul> 

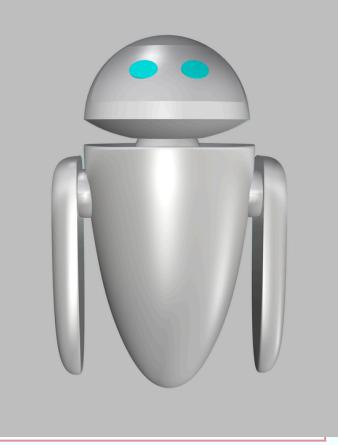
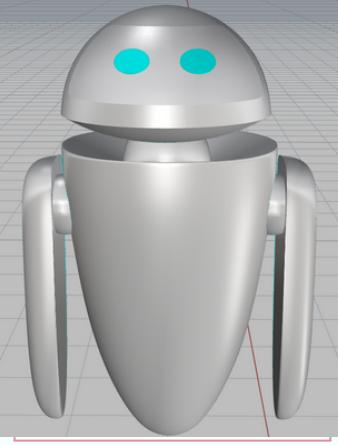
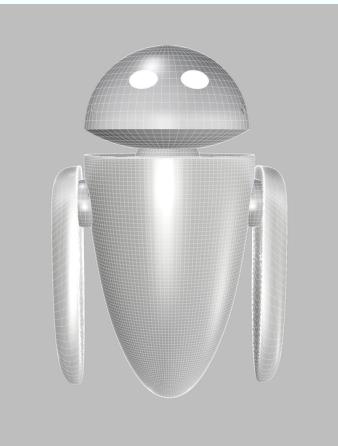
# *Character Model*

## COMPARISON CHART

EXPORT TYPE	SUBD LEVEL	FILE SIZE
OBJ	2	20.5 MB
FBX	2	6.52 MB
PLY	2	6.44 MB
STL	3	17237 KB

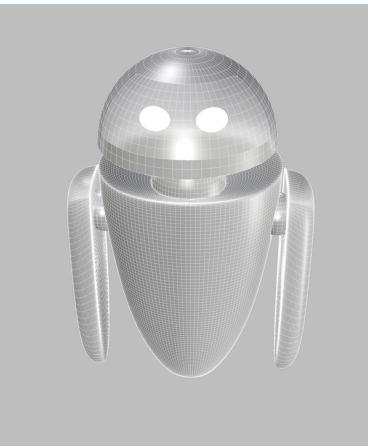
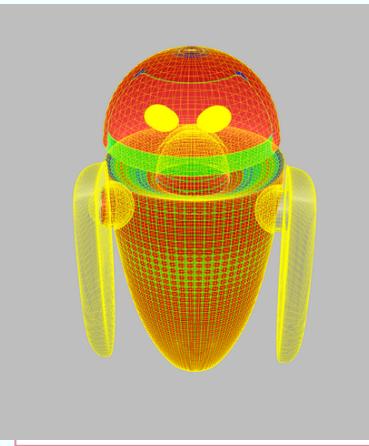
# Character Model COMPARISON CHART

OBJ SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
3.01		Import group as: Nothing; Import object as: Nothing; Import as morph target;		<ul style="list-style-type: none"> <li>Mesh to NURBS at this level crashed Rhino</li> <li>Curvature analysis command was ineffective ad gave no results</li> </ul>
3.02		Import group as: Nothing; Import object as: Nothing; Import as morph target; Mesh to SubD		<ul style="list-style-type: none"> <li>Curvature analysis command was ineffective ad gave no results</li> <li>Large number of faces and edges to make the model have a smooth texture</li> </ul>

# Character Model COMPARISON CHART

OBJ SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
3.03		Import group as: Group; Import object as: Layers; Import as Reverse Order; Mesh to NURBS		<ul style="list-style-type: none"> <li>Converting to NURBS did not allow for the geometry of the arms to be carried over completely which implies that they were not formed well.</li> <li>This model has its curve analysis showing that there are very few anomalies in the shape</li> </ul> 
3.04		Import group as: Group; Import object as: Layers; Import as Reverse Order; Mesh to SubD		<ul style="list-style-type: none"> <li>The geometry of the arms was preserved and formed well enough to produce a curvature analysis</li> <li>The mesh had significant areas of curvature and the curves were all in the same direction</li> </ul>

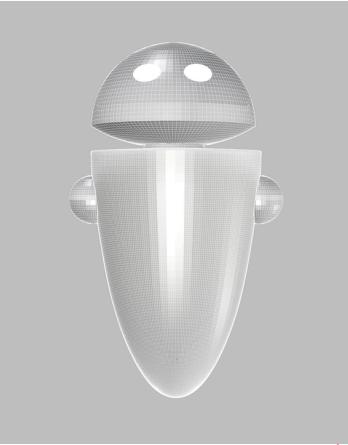
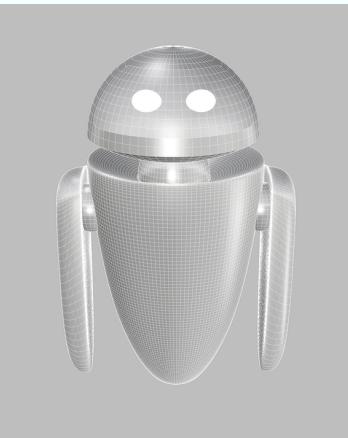
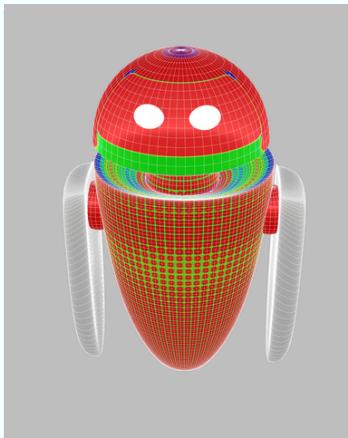
# Character Model COMPARISON CHART

OBJ SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
3.05		Import group as: Groups; Import object as: Layers; Ignore texture; Mesh to NURBS		<ul style="list-style-type: none"> <li>Converting to NURBS did not allow for the geometry of the arms to be carried over completely which implies that they were not formed well.</li> <li>This model has its curve analysis showing that there are very few anomalies in the shape</li> </ul> 
3.06		Import group as: Groups; Import object as: Layers; Ignore texture; Mesh to SubD		<ul style="list-style-type: none"> <li>Geometry of the arms was preserved</li> <li>The curvature analysis shows that there are anomalies in the shape in both directions</li> </ul>

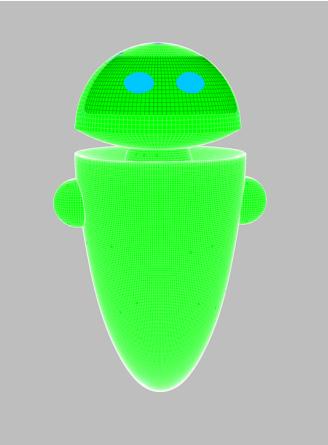
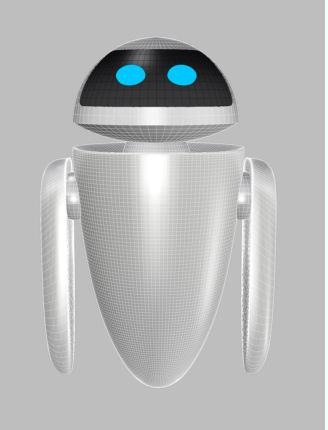
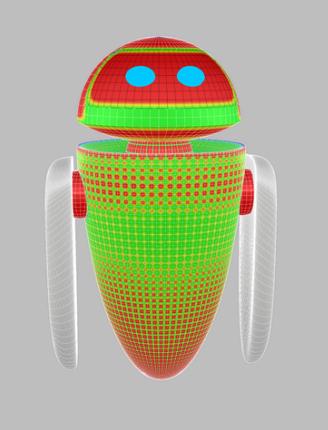
# Character Model COMPARISON CHART

OBJ SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
3.07		Import group as: Layers; Import object as: Groups; Split 32-bit textures into separate files; Mesh to NURBS		<ul style="list-style-type: none"> <li>Converting to NURBS did not allow for the geometry of the arms to be carried over completely</li> <li>The arms did not convert to NURBS which implies that they were not formed well.</li> <li>This model has its curve analysis showing that there are very few anomalies in the shape</li> </ul> 
3.08		Import group as: Layers; Import object as: Groups; Split 32-bit textures into separate files; Mesh to SubD		<ul style="list-style-type: none"> <li>Geometry of the arms was preserved</li> <li>The curvature analysis shows that there are anomalies in the shape in both directions</li> </ul>

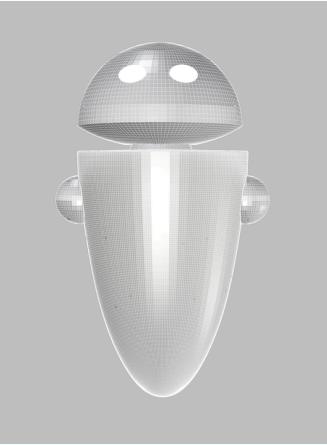
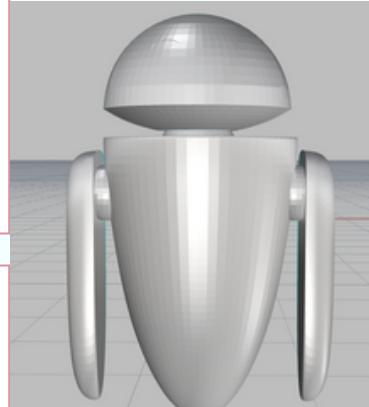
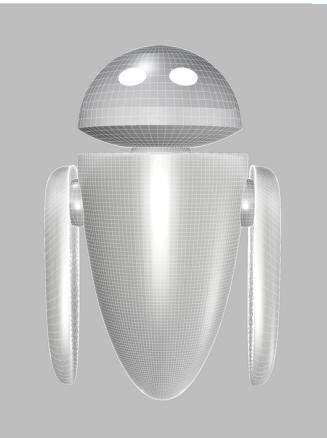
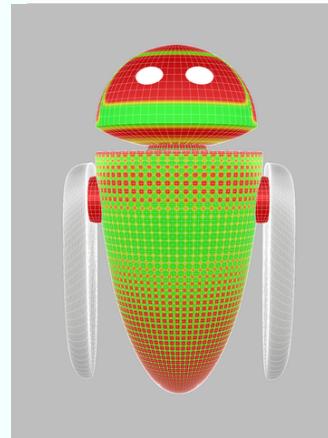
# Character Model COMPARISON CHART

FBX SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
3.09		No Options Selected Mesh to NURBS		<ul style="list-style-type: none"><li>Preserved colour layers</li><li>Converting to NURBS did not allow for the geometry of the arms to be carried over completely</li><li>This model has its curve analysis showing that there are no anomalies in the shape</li></ul>
3.10		No Options Selected Mesh to SubD		<ul style="list-style-type: none"><li>Preserved the colour layers</li><li>Preserved the geometry of the arms</li><li>The curvature analysis shows that there are anomalies in the shape in both directions</li></ul>

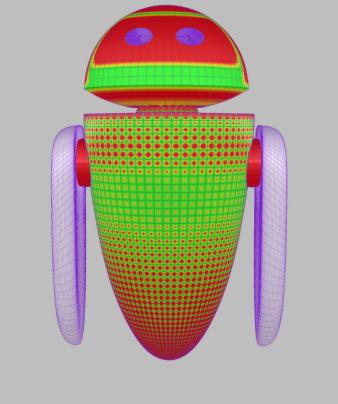
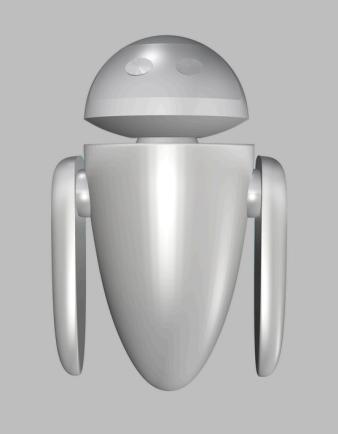
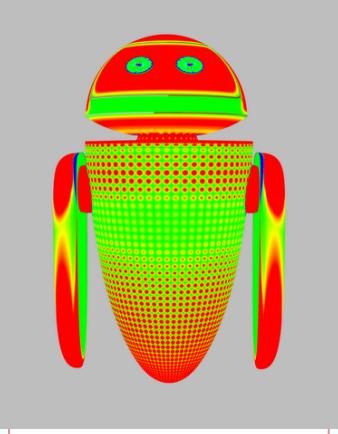
# Character Model COMPARISON CHART

FBX SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
3.11		Unweld 22.5 degrees Mesh to NURBS		<ul style="list-style-type: none"> <li>The arms did not convert to NURBS which implies that they were not formed well.</li> <li>This model has its curve analysis showing that there are no anomalies in the shape</li> </ul> 
3.12		Unweld 22.5 degrees Mesh to SubD		<ul style="list-style-type: none"> <li>The arms were converted to SubD but showed as an invalid input when looking at the curvature analysis which implies that the arms were not formed well</li> <li>The mesh had significant areas of curvature and the curves were all in the same direction</li> </ul>

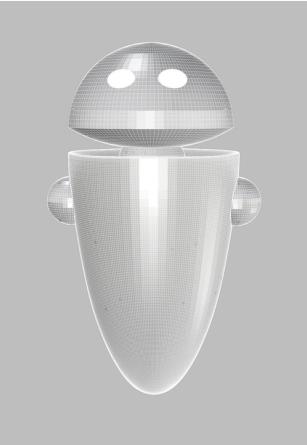
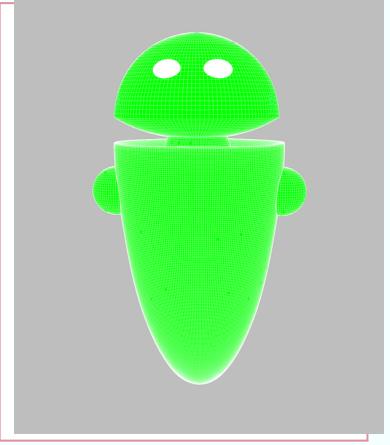
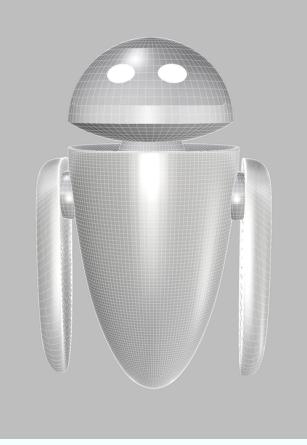
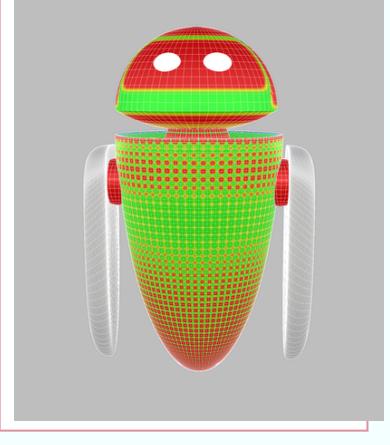
# Character Model COMPARISON CHART

FBX SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
3.13		Open mesh to SubD surface SubD to NURBS		<ul style="list-style-type: none"> <li>SubD to NURBS was too heavy of a process to run at this level and crashed the program</li> <li>The arms did not produce a valid curvature analysis which implies that the geometry as a SubD is not formed well</li> </ul>
3.14		Open mesh to SubD surface SubD to Mesh		<ul style="list-style-type: none"> <li>The meshes in this model were in quad format and allowed for a smoother and more defined shape</li> <li>The mesh had significant areas of curvature and the curves were all in the same direction</li> </ul>

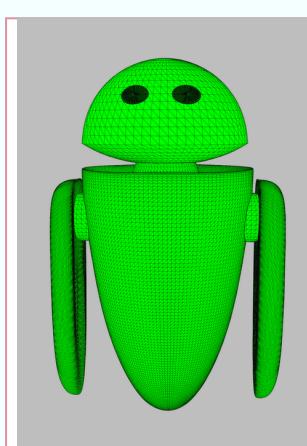
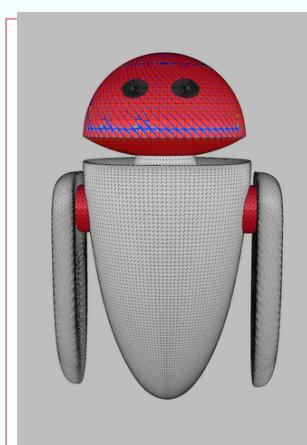
# Character Model COMPARISON CHART

FBX SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
3.17		Unweld 1 degree Mesh to NURBS		<ul style="list-style-type: none"> <li>The arms did not convert to NURBS which implies that they were not formed well.</li> <li>This model has its curve analysis showing that there are no anomalies in the shape</li> </ul>
3.18		Unweld 1 degree Mesh to SubD		<ul style="list-style-type: none"> <li>The arms were converted to SubD but showed as an invalid input when looking at the curvature analysis which implies that the arms were not formed well</li> <li>The mesh had significant areas of curvature and the curves were all in the same direction</li> </ul>

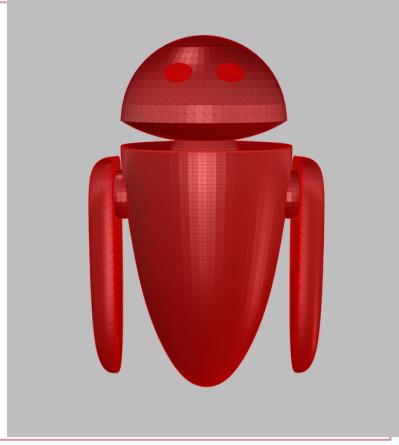
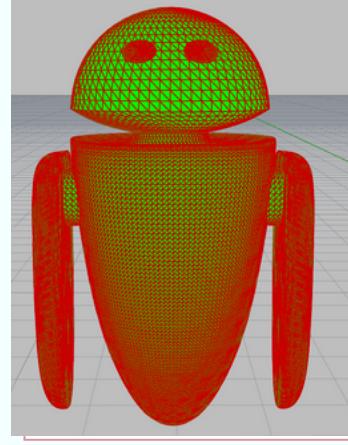
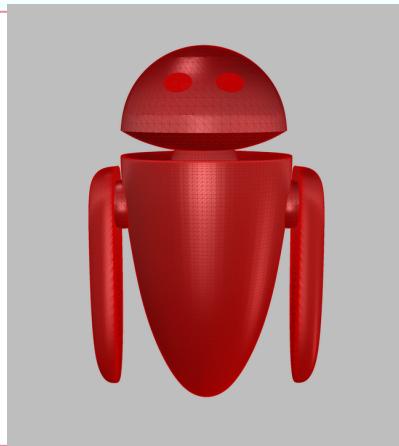
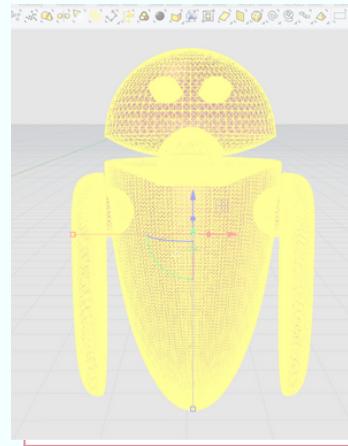
# Character Model COMPARISON CHART

STL SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
3.21		Unweld 22.5 degrees; Open mesh to SubD surface SubD to NURBS		<ul style="list-style-type: none"> <li>Geometry imported with triangles</li> <li>This model has its curve analysis showing that there are no anomalies in the shape</li> </ul>
3.22		Unweld 22.5 degrees; Open mesh to SubD surface SubD to Mesh		<ul style="list-style-type: none"> <li>The arms and body were converted to SubD but showed as an invalid input when looking at the curvature analysis</li> <li>The mesh had significant areas of curvature and the curves were all in the same direction</li> </ul>

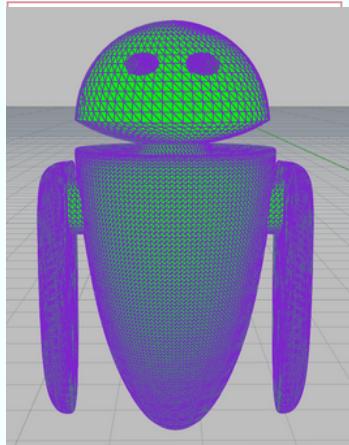
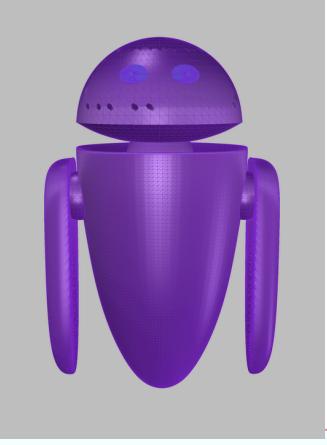
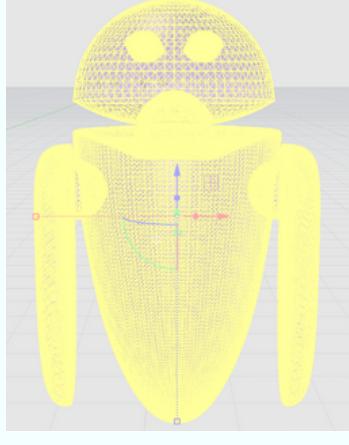
# Character Model COMPARISON CHART

STL SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
3.23		Unweld 22.5 degrees; Open mesh to SubD surface SubD to NURBS		 <ul style="list-style-type: none"><li>Curvature analysis command was ineffective and crashed the program</li><li>Large number of faces and edges to make the model have a smooth texture</li></ul>
3.24		Unweld 22.5 degrees; Open mesh to SubD surface SubD to Mesh		 <ul style="list-style-type: none"><li>Curvature analysis command was ineffective and crashed the program</li><li>Large number of faces and edges to make the model have a smooth texture</li></ul>

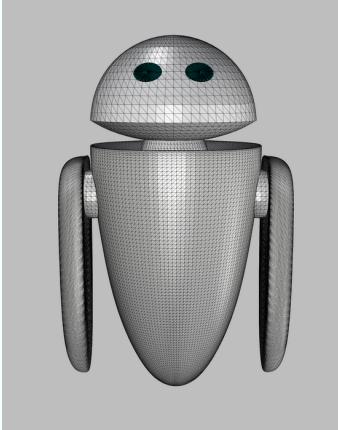
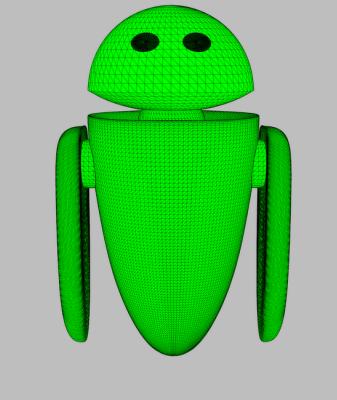
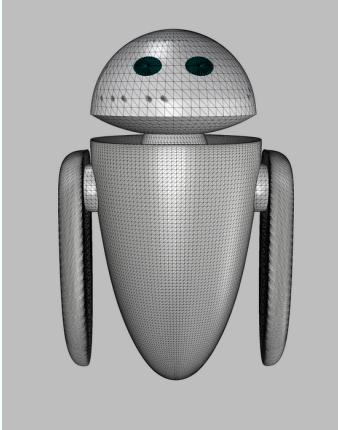
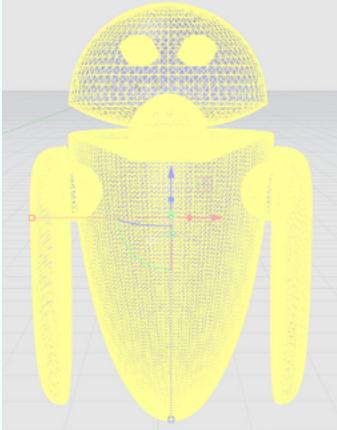
# Character Model COMPARISON CHART

STL SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
3.25		Unweld 22.5 degrees; Open mesh to SubD surface SubD to NURBS		<ul style="list-style-type: none"> <li>Geometry imported with triangles This model has its curve analysis showing that there are no anomalies in the shape</li> <li>Increase in number of edges and faces</li> </ul>
3.26		Unweld 22.5 degrees; Open mesh to SubD surface SubD to Mesh		<ul style="list-style-type: none"> <li>Curvature analysis command was ineffective and crashed the program</li> <li>Parts of the geometry overlapped and were degraded after converting to Mesh</li> </ul>

# Character Model COMPARISON CHART

STL SUBD LEVEL 2

MODEL NO.	IMAGE	IMPORT SETTINGS & GEOMETRY CHANGE	CURVATURE ANALYSIS	OBSERVATIONS
3.27		Unweld 1 degree Mesh to NURBS		<ul style="list-style-type: none"><li>Geometry imported with triangles This model has its curve analysis showing that there are no anomalies in the shape</li></ul>
3.28		Unweld 1 degree Mesh to SubD		<ul style="list-style-type: none"><li>Curvature analysis command was ineffective and crashed the program</li><li>Large number of faces and edges to make the model have a smooth texture</li></ul>

