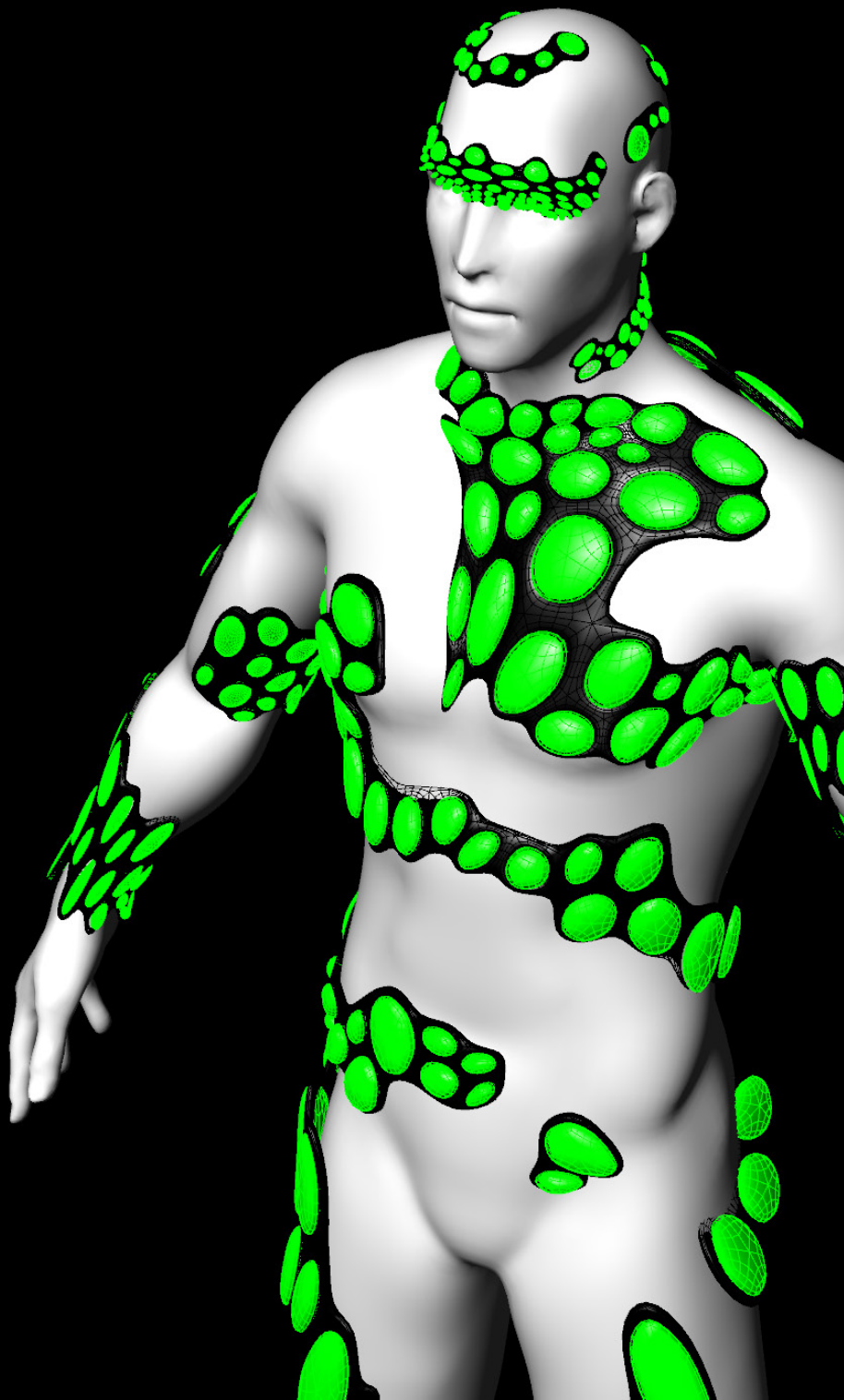
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2016/2017

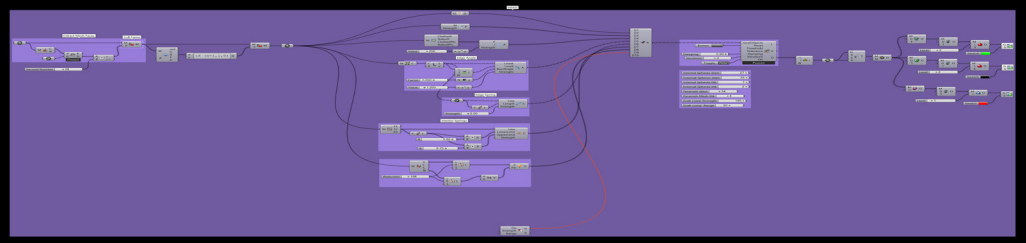
TUTORS: RODRIGO AGUIRRE, ALDO SOLLAZO

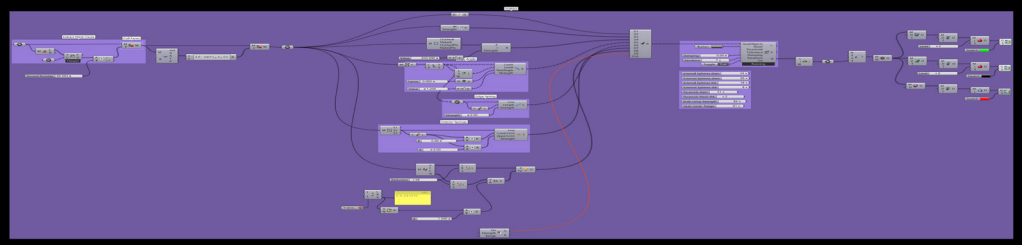
INTERACTIVE MODELING - OVO MORPHOSIS FABRIC

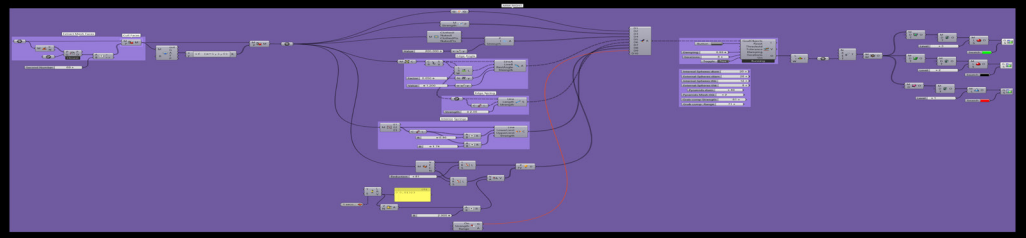
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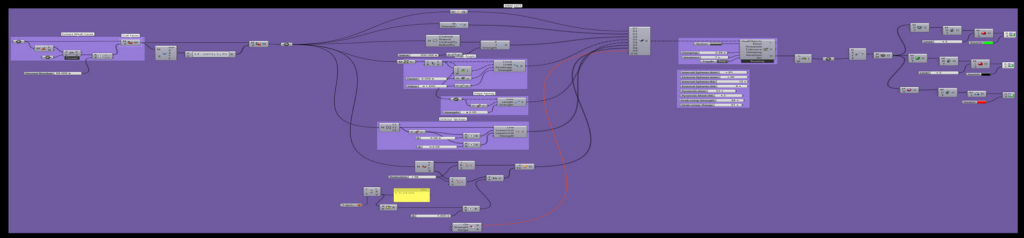


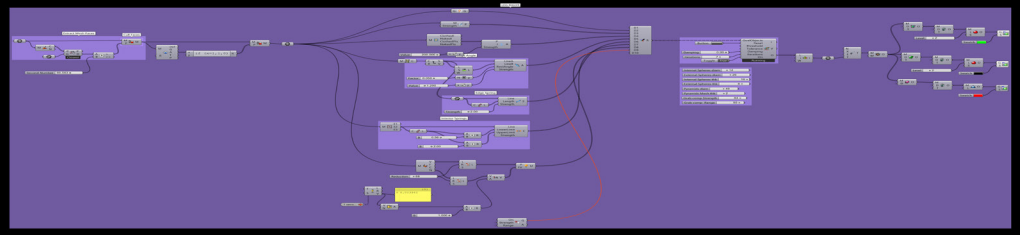
INTERACTIVE MODELING - OVO MORPHOSIS FABRIC

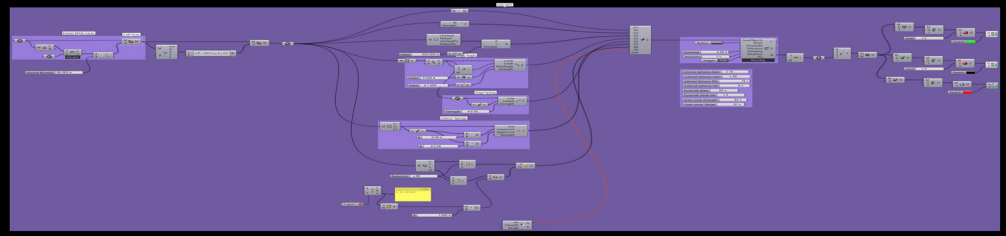












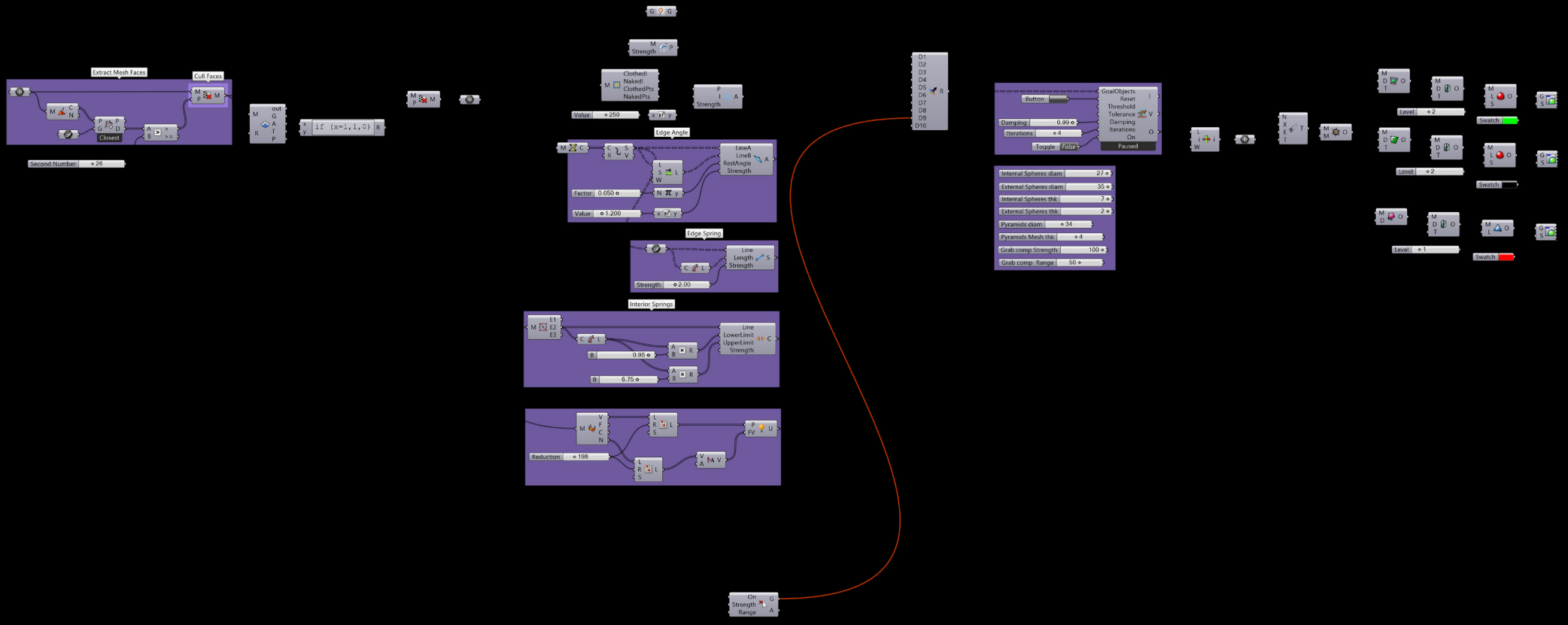


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2016/2017

OVO MORPHOSIS FABRIC
PABLO AGUSTIN VIVAS

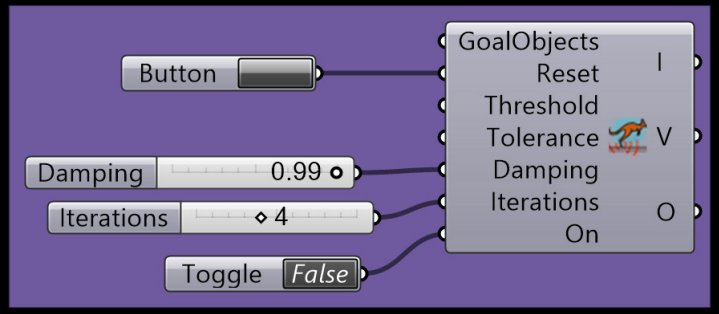
INTERACTIVE MODELING - OVO MORPHOSIS FABRIC

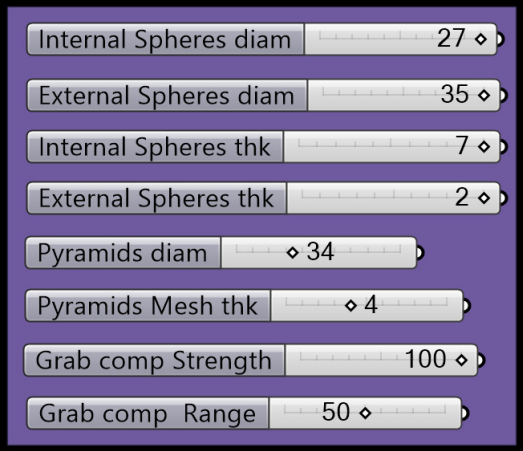


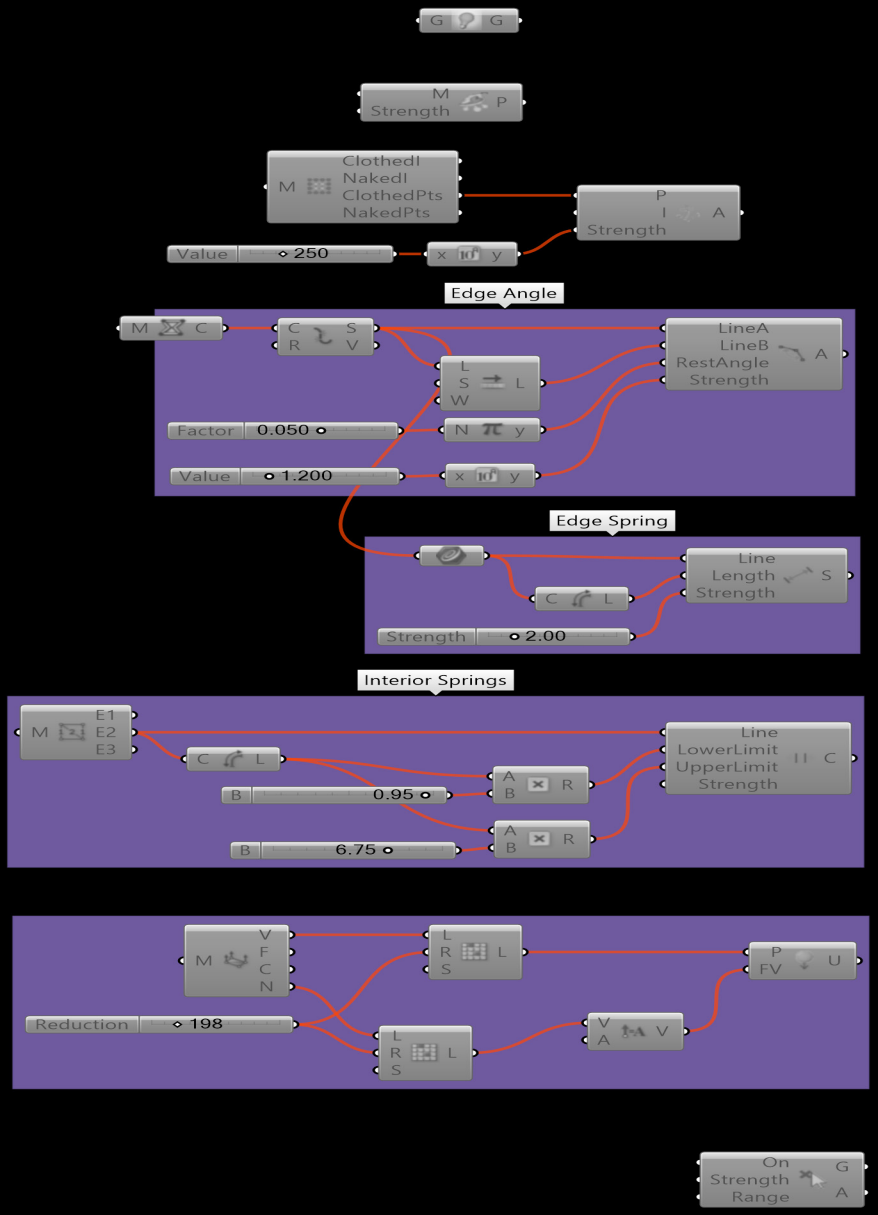
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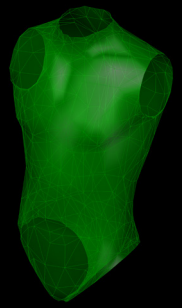
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Button
GoalObjects
Reset
Threshold
Tolerance
Damping
Iterations
On
I
V
O
Damping 0.99
Iterations 4
Toggle False

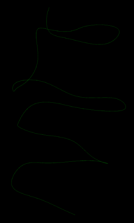

Internal Spheres diam 27
External Spheres diam 35
Internal Spheres thk 7
External Spheres thk 2
Pyramids diam 34
Pyramids Mesh thk 4
Grab comp Strength 100
Grab comp Range 50


Strength
ClothedI
NakedI
ClothedPts
NakedPts
Value 250
Edge Angle
LineA
LineB
RestAngle
Strength
Factor 0.050
Value 1.200
Edge Spring
Line
Length
Strength 2.00
Interior Springs
LowerLimit
UpperLimit
0.95
6.75
Reduction 198
On
Range

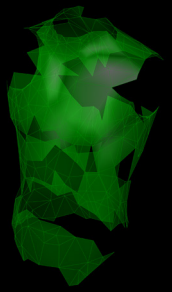
SET TORSO MESH



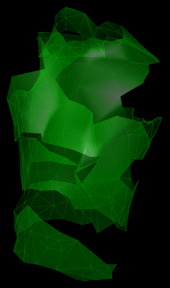
SET CURVE



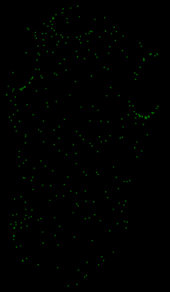
EXTRACT MESH SURFACES



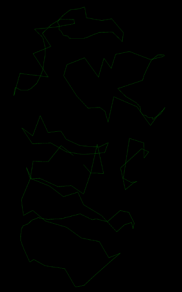
MESH FROM CONNECTED SURFACES



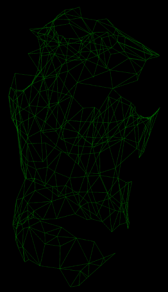
ANCHOR NAKED VERTICES



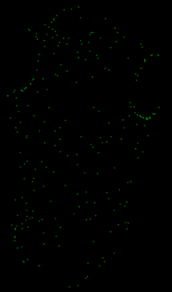
ANGLE - NAKED BOUNDARY



CLAMP - MESH EDGES LENGTH



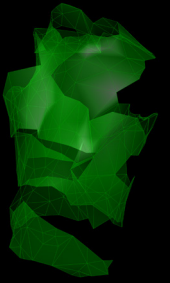
LOAD - ON REDUCED MESH



SOLVER - WITH MOMENTUM



RESULTING MESH



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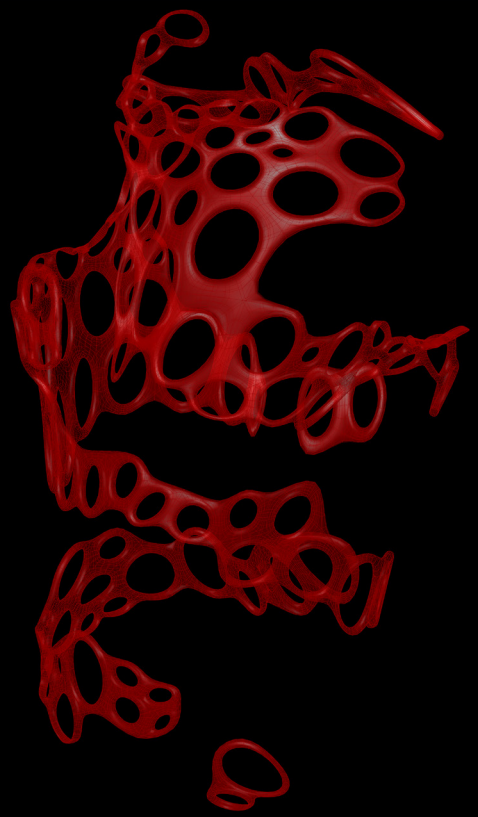
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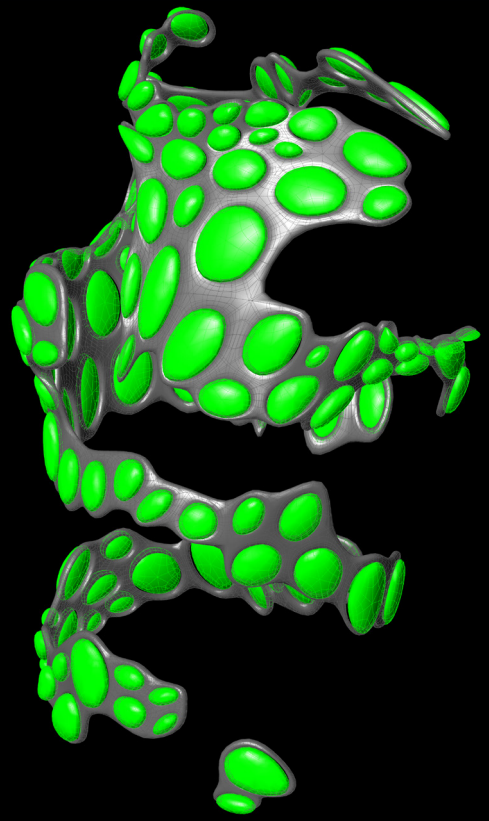
MESH WINDOW +
CATMULL CLARK SUBDIVISION



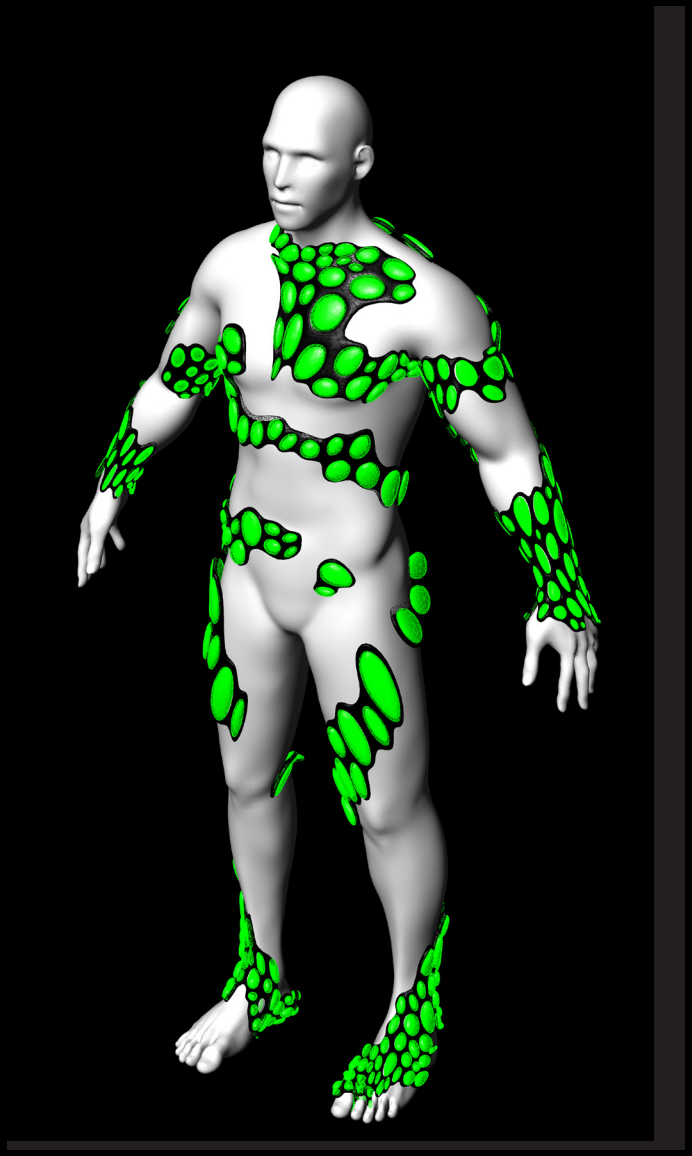
PICTURE FRAME +
CATMULL CLARK SUBDIVISION



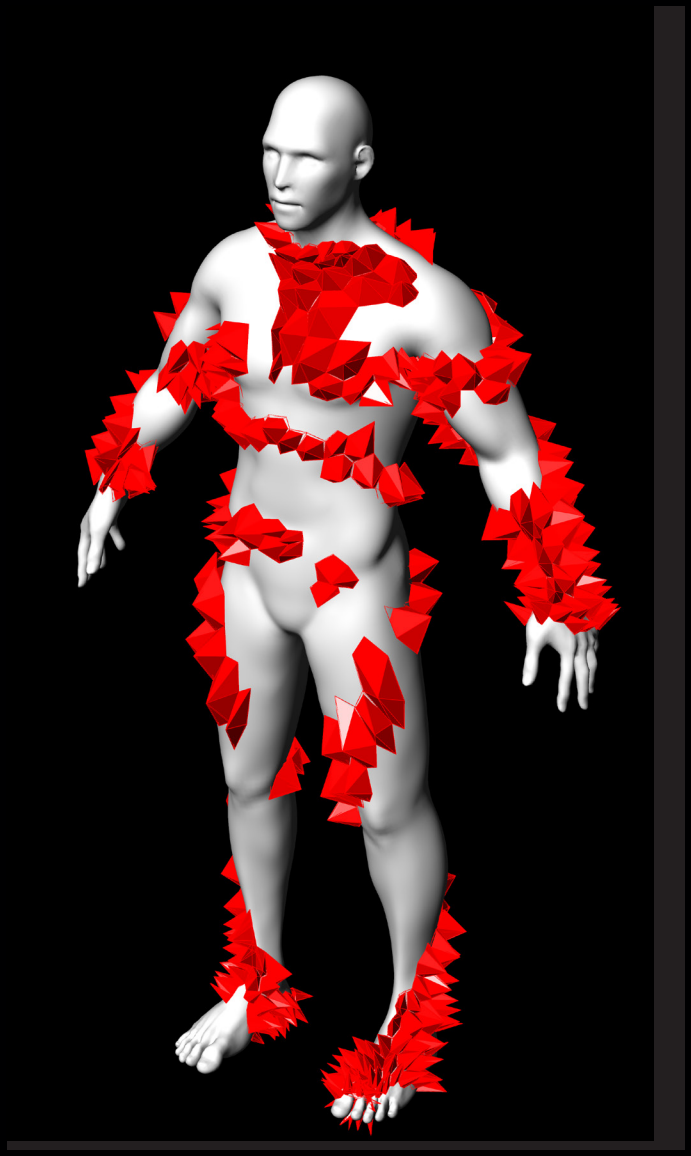
FINAL MESH
TORSO EXAMPLE



FINAL OVO MORPHOSIS FABRIC SUIT



ALTERNATIVE SPIKES MORPHO FABRIC SUIT



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