125

trans x = 64.609

c1twelve.translateY = 8.836
c2twelve.translateY = -5.103

c1ten.TranslateY = 2.65
c2ten.TranslateY = 2.65

c1nine.TranslateY = 0
c2nine.TranslateY = 0

c1eight.TranslateY = 1.711
c2eight.TranslateY = 1.711

c1six.TranslateY = 8.836
c2six.TranslateY = -5.103

c1four.TranslateY = -2.618
c2four.TranslateY = -2.618

c1two.translateY = -1.648
c2two.translateY = -1.648

250

trans x = 129.739

c1twelve.translateY = 17.744
c2twelve.translateY = -10.246

c1ten.TranslateY = 5.322
c2ten.TranslateY = 5.322

c1nine.TranslateY = 0
c2nine.TranslateY = 0

c1eight.TranslateY = 3.437
c2eight.TranslateY = 3.437

c1six.TranslateY = 17.744
c2six.TranslateY = -10.246

c1four.TranslateY = -5.256
c2four.TranslateY = -5.256

c1two.translateY = -3.31
c2two.translateY = -3.31

375

trans x = 194.87

c1twelve.translateY = 26.651
c2twelve.translateY = -15.39

c1ten.TranslateY = 7.993
c2ten.TranslateY = 7.993

c1nine.TranslateY = 0
c2nine.TranslateY = 0

c1eight.TranslateY = 5.162
c2eight.TranslateY = 5.162

c1six.TranslateY = 26.651
c2six.TranslateY = -15.39

c1four.TranslateY = -7.895
c2four.TranslateY = -7.895

c1two.translateY = -4.971
c2two.translateY = -4.971

c0v0.TranslateY = 0

500

trans x = 260

c1twelve.translateY = 35.559
c2twelve.translateY = -20.534

c1ten.TranslateY = 10.665
c2ten.TranslateY = 10.665

c1nine.TranslateY = 0
c2nine.TranslateY = 0

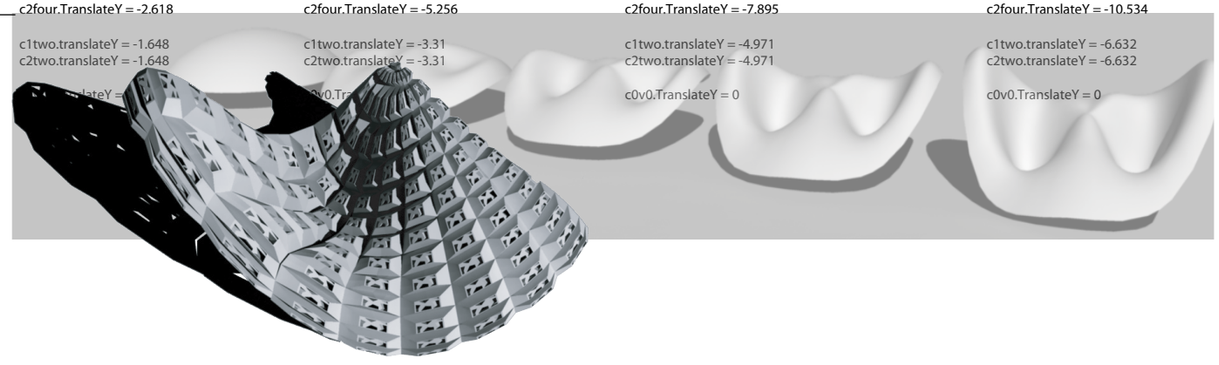
c1eight.TranslateY = 6.887
c2eight.TranslateY = 6.887

c1six.TranslateY = 35.559
c2six.TranslateY = -20.534

c1four.TranslateY = -10.534
c2four.TranslateY = -10.534

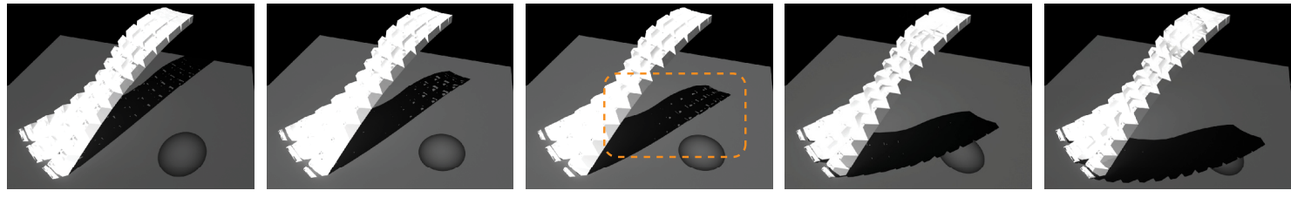
c1two.translateY = -6.632
c2two.translateY = -6.632

c0v0.TranslateY = 0

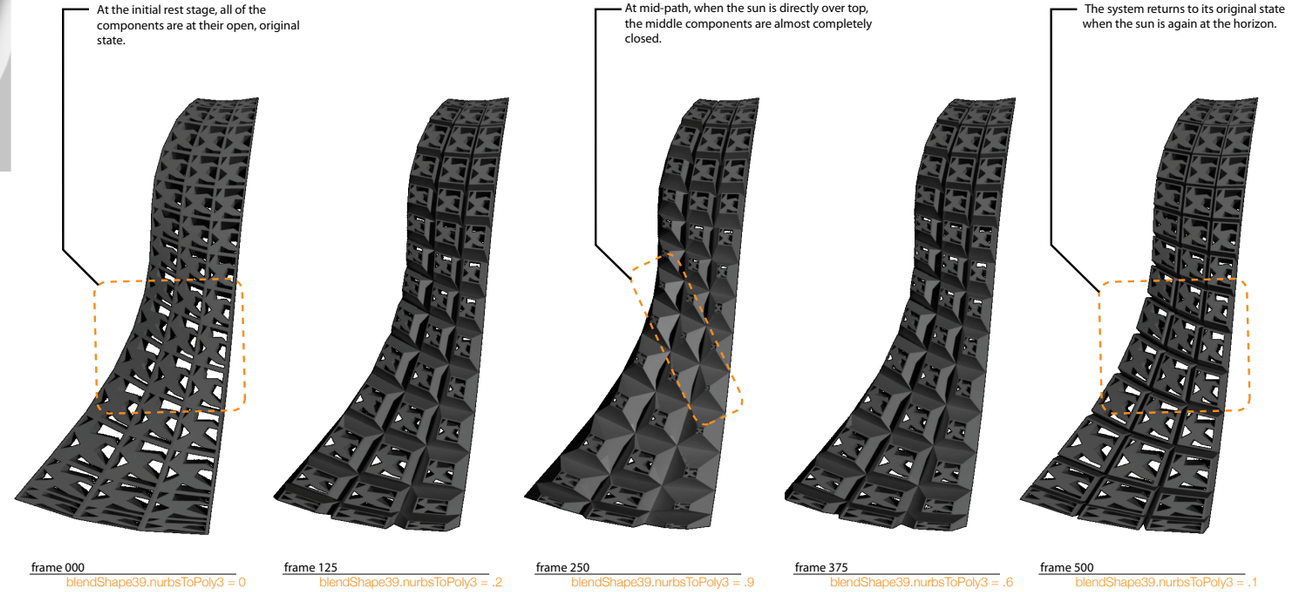


The component was further tested across a compound surface. Through a morphology of the dome form of the Oca, the correlating value adjustments were recorded at each frame and the component proliferated across the surface of the manufactured global.

Global Transformation



Measurements recorded from the output of the system further indicate its performance. Through shadow casting, we can also measure the percentage of exposure, quality of light, and range of motion.



Frames from the animation reveal the product of the system. If one imagines the system frozen in one of these optimal configurations, the most efficient density has been established for each section of the facade.

Component Proliferation