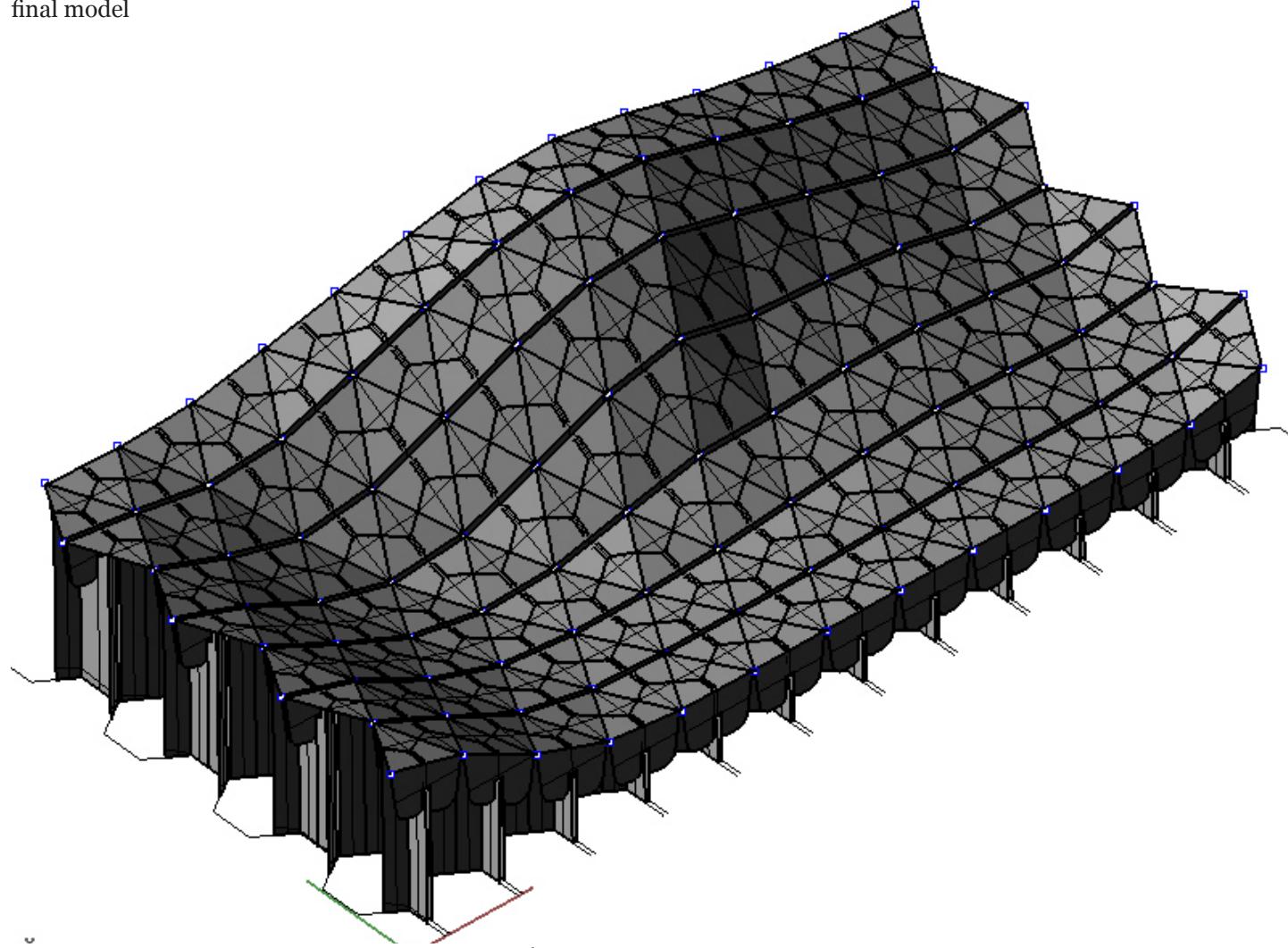
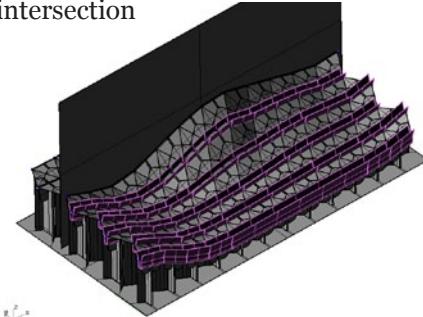


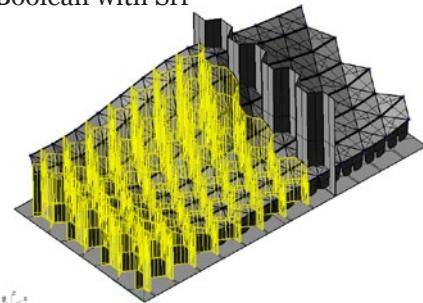
step\_08:  
final model



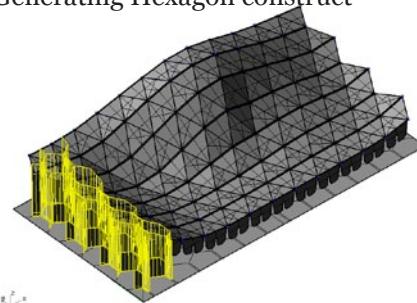
step\_07:  
intersection



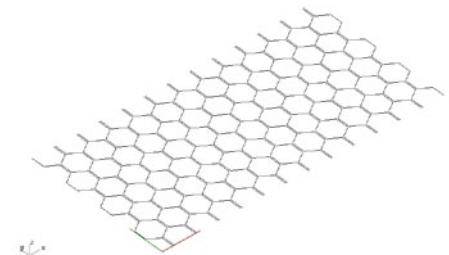
step\_06:  
Boolean with Srf



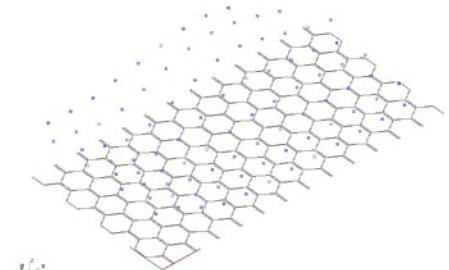
step\_05:  
Generating Hexagon construct



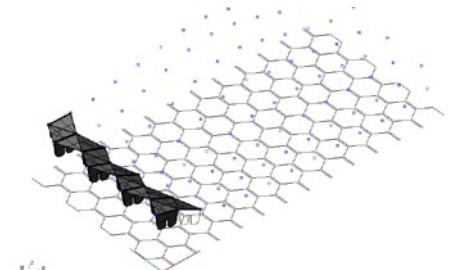
step\_01:  
drawing Hexagon units



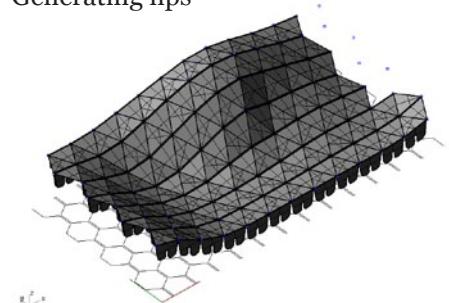
step\_02:  
cntPoints project to Srf



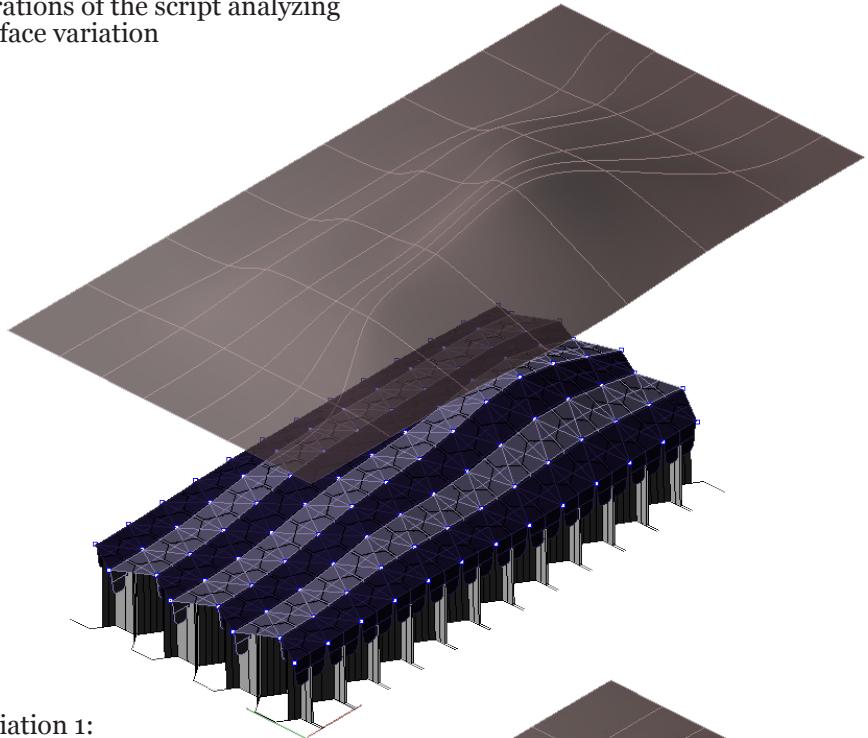
step\_03:  
connect points to triangles srf



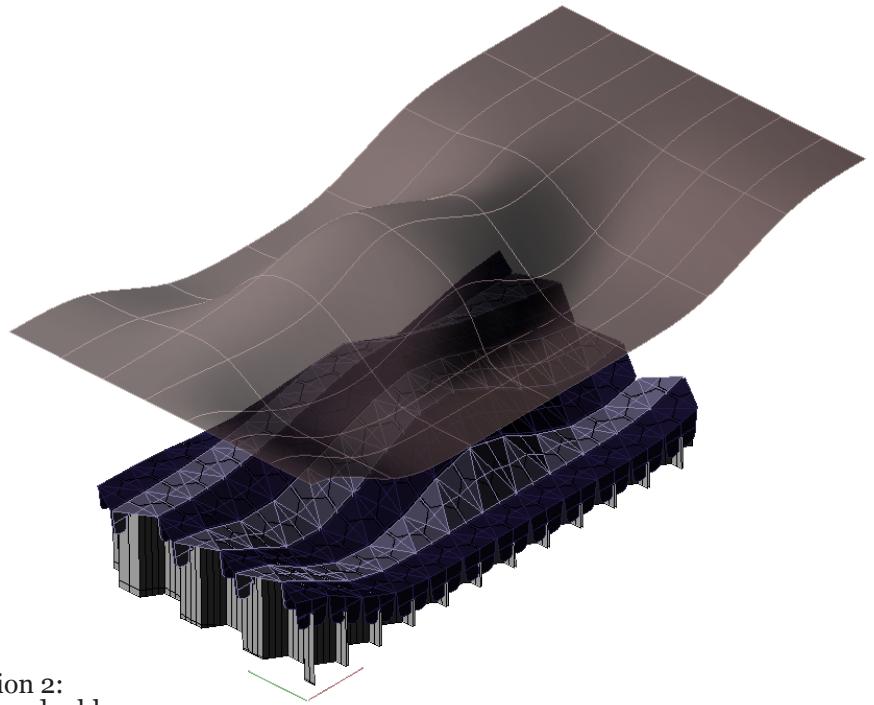
step\_04:  
Generating lips



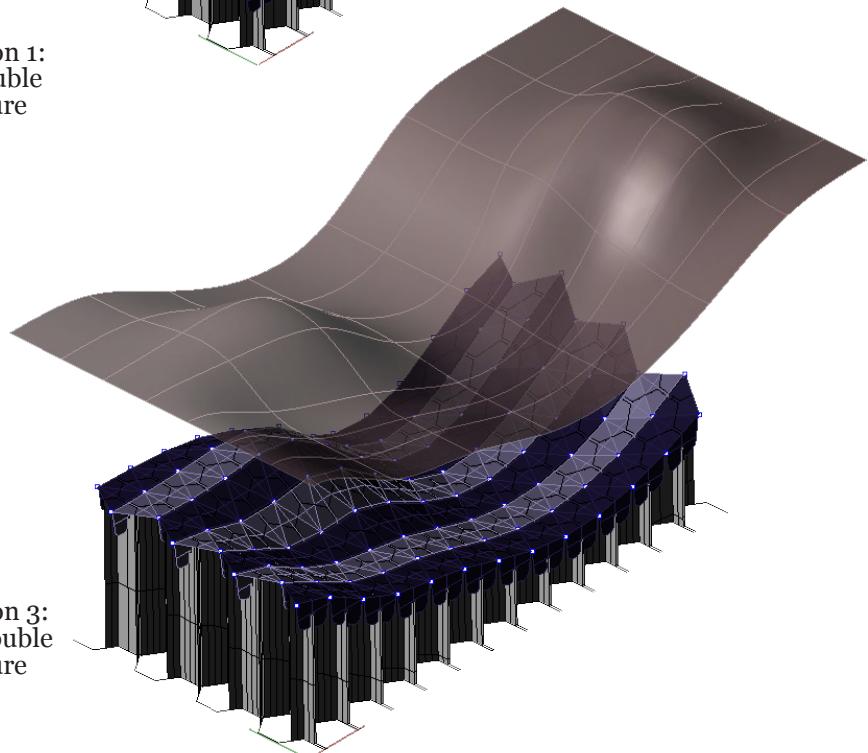
iterations of the script analyzing  
surface variation



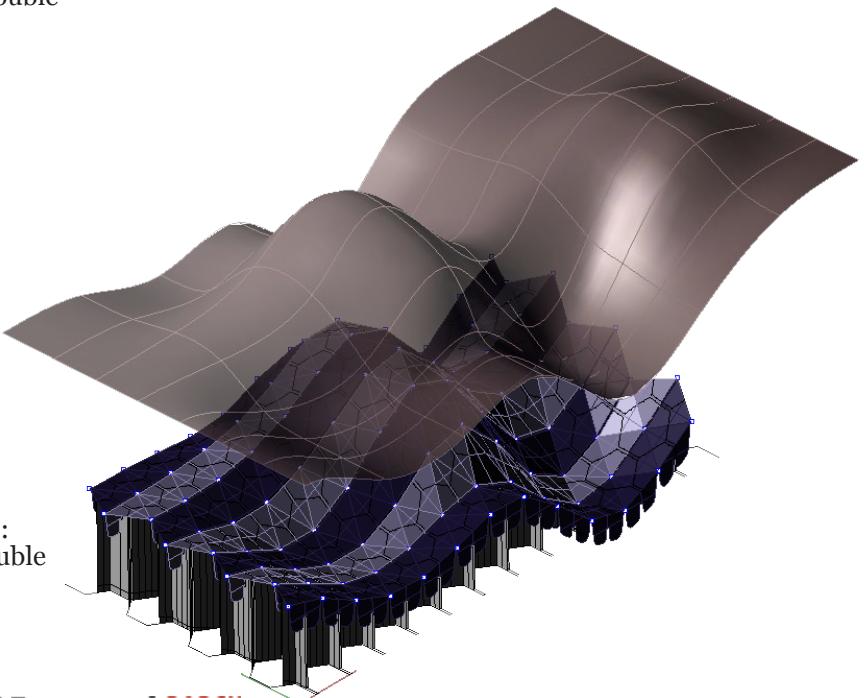
variation 1:  
low double  
curvature



variation 2:  
medium double  
curvature



variation 3:  
high double  
curvature



variation 4:  
highest double  
curvature

design to production  
script -> data -> ZÜND

**honeycomb\_13.rvb\* - Code Monkey**

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```

157  For j=0 To intLastCtrX-1
158
159      For i=0 To intLastCell-1
160
161          If i Mod 2=0 Then
162
163              pts3=array(arrCtrPts(j,i),arrCtrPts(j,i+1),arrCtrPts(j+1,i))
164              ReDim Preserve arrTriSrf(ubound(arrTriSrf)+1)
165              arrTriSrf(ubound(arrTriSrf))= Rhino.AddSrfPt( (pts3),RGB(255,0,0))
166              Call rhino.ObjectColor(arrTriSrf(ubound(arrTriSrf)),RGB(255,0,0))
167
168              arr2PtOffset= getOffsetPt(arrCtrPts(j,i+1),arrCtrPts(j,i),arrCtrPts(j+1,i))
169              p0=arr2PtOffset(0)
170              p1=arr2PtOffset(1)
171              arr2PtOffset= getOffsetPt(arrCtrPts(j,i),arrCtrPts(j,i+1),arrCtrPts(j+1,i))
172              p2= arr2PtOffset(0)
173              arr2PtOffset= getOffsetPt(arrCtrPts(j+1,i),arrCtrPts(j,i),arrCtrPts(j+1,i))
174              p3= arr2PtOffset(1)
175
176          'add lips
177          arrPtsLips = makeFlap(p2,p3,flipLipDist)
178          ReDim Preserve arrTriSrfMod0(ubound(arrTriSrfMod0)+1)
179          arrTriSrfMod0(ubound(arrTriSrfMod0))= arrPtsLips
180
181          pts3=array(p0, p1,p2,p3)
182          ReDim Preserve arrTriSrfMod0(ubound(arrTriSrfMod0)+1)
183          arrTriSrfMod0(ubound(arrTriSrfMod0))= Rhino.AddSrfPt( (pts3))
184
185          pts3=array(arrCtrPts(j+1,i),arrCtrPts(j,i+1),arrCtrPts(j+1,i+1),arrCtrPts(j,i))
186          ReDim Preserve arrTriSrf(ubound(arrTriSrf)+1)
187          arrTriSrf(ubound(arrTriSrf))= Rhino.AddSrfPt( (pts3))
188          Call rhino.ObjectColor(arrTriSrf(ubound(arrTriSrf)),RGB(255,0,200))
189
190          arr2PtOffset= getOffsetPt(arrCtrPts(j+1,i),arrCtrPts(j,i+1),arrCtrPts(j+1,i))
191          p0=arr2PtOffset(0)
192          p1=arr2PtOffset(1)
193          arr2PtOffset= getOffsetPt(arrCtrPts(j,i+1),arrCtrPts(j+1,i),arrCtrPts(j+1,i))
194          p2= arr2PtOffset(0)
195          arr2PtOffset= getOffsetPt(arrCtrPts(j+1,i+1),arrCtrPts(j,i),arrCtrPts(j+1,i))
196          p3= arr2PtOffset(0)
197
198
199          'add lips
200          arrPtsLips = makeFlap(p2,p3,flipLipDist)
201          ReDim Preserve arrTriSrfMod0(ubound(arrTriSrfMod0)+1)
202          arrTriSrfMod0(ubound(arrTriSrfMod0))=arrPtsLips

```

Line 158 | Column 1 | Proc: Main

**from 170 to 1500**

