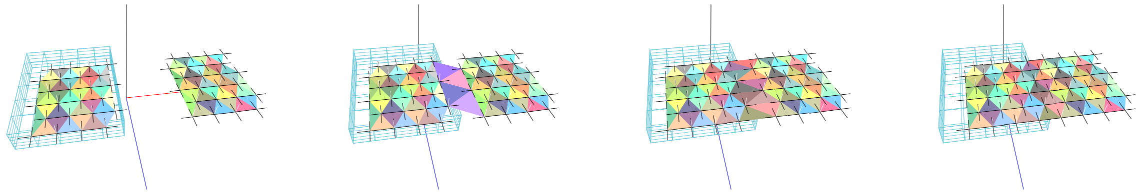

Figure 6: Welding two surfaces together. The separate surfaces are brought together, under interactive user manipulation, and join to become one seamless surface.

Figure 7: Varying the characteristics of a deformable solid: (a) a flexible solid, (b) a stiff solid.

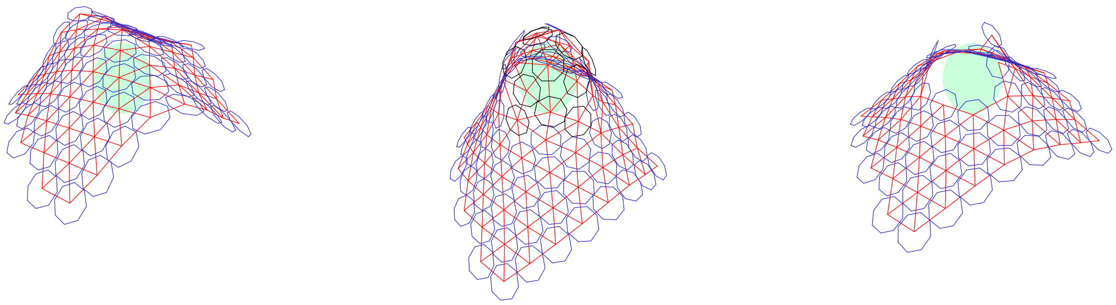

Figure 8: Varying the surface characteristics to change its behavior: (a) cloth draping, (b) plastic deformation, (c) tearing.

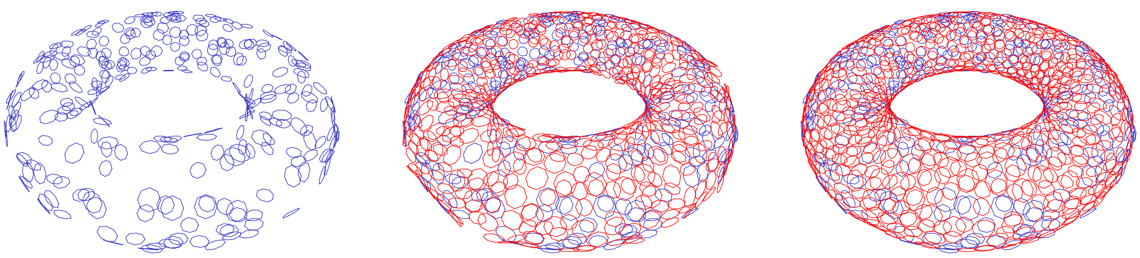

Figure 9: Surface interpolation through a collection of 3-D points. The surface extends outward from the seed points until it fills in the gaps and forms a complete surface.