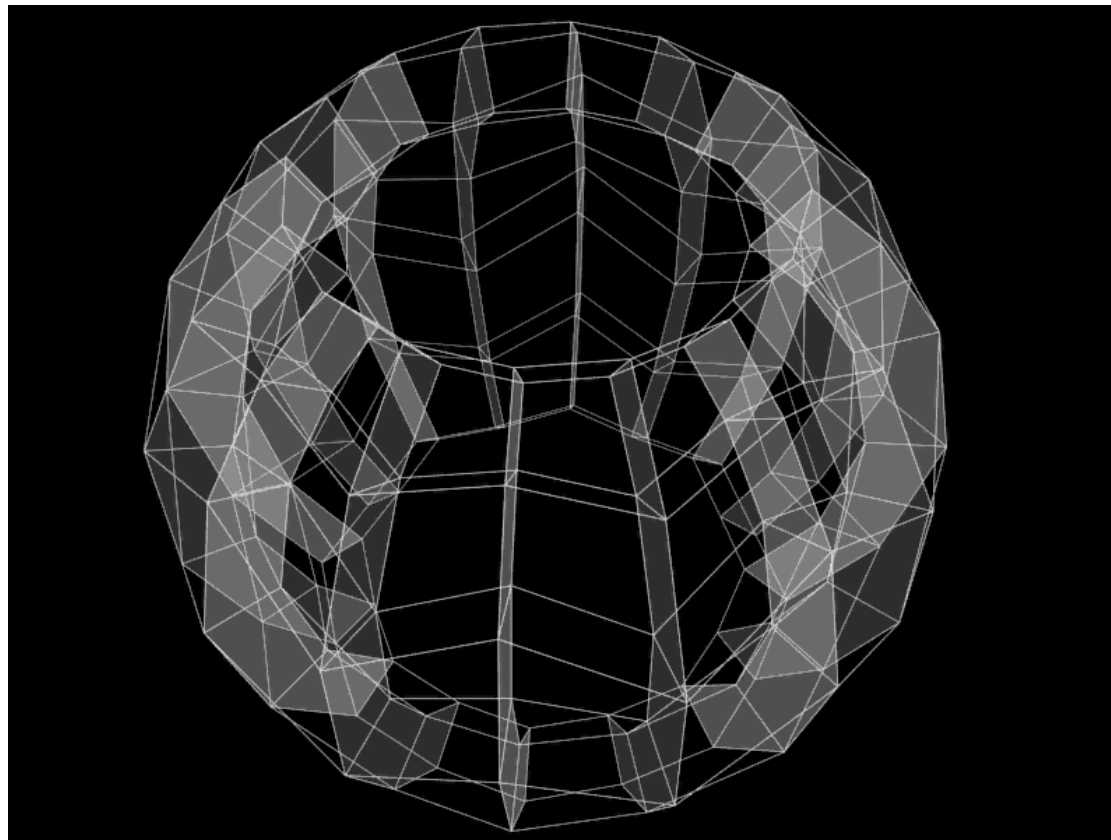


FOLDABLE SYSTEMS

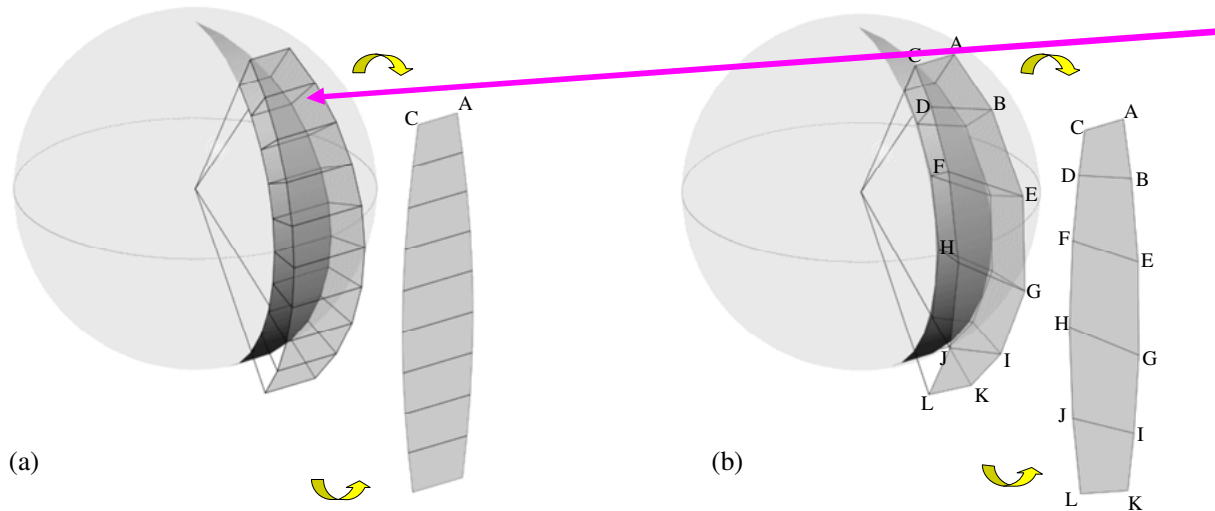
- ▶ Spherical Tensegrity system

Foldable/unfoldable curved tensegrity systems by finite mechanism

activation, Smaili A., Motro R., Journal of the International Association for Shells and Spatial Structures, Vol.48, N.3, 2007

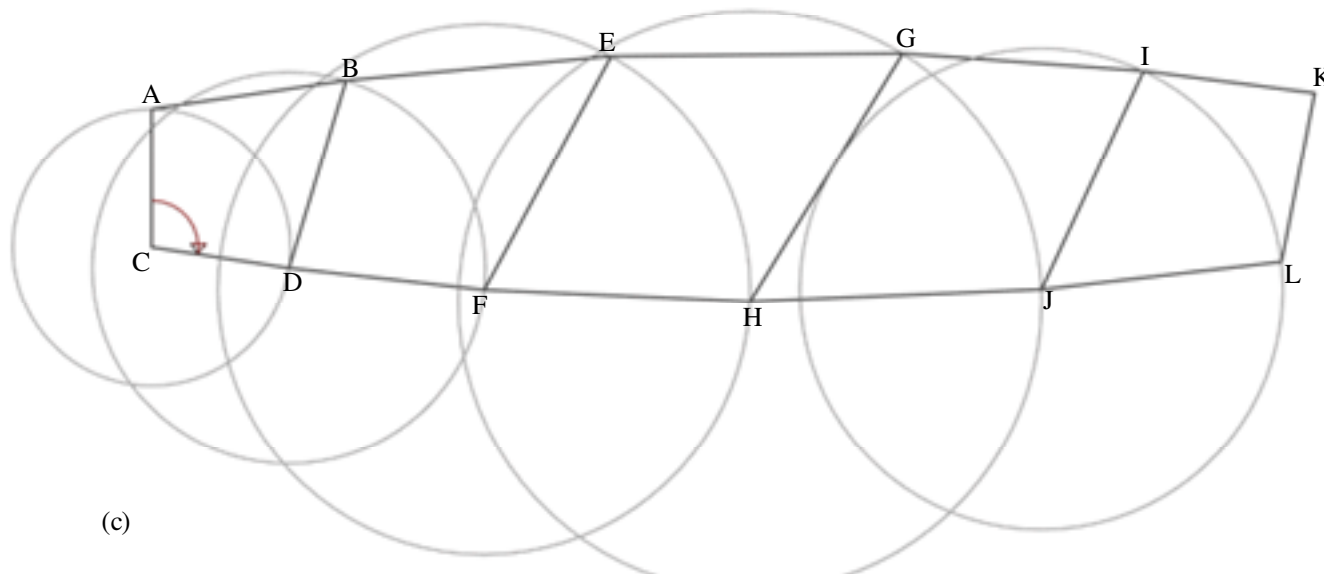


► Design process



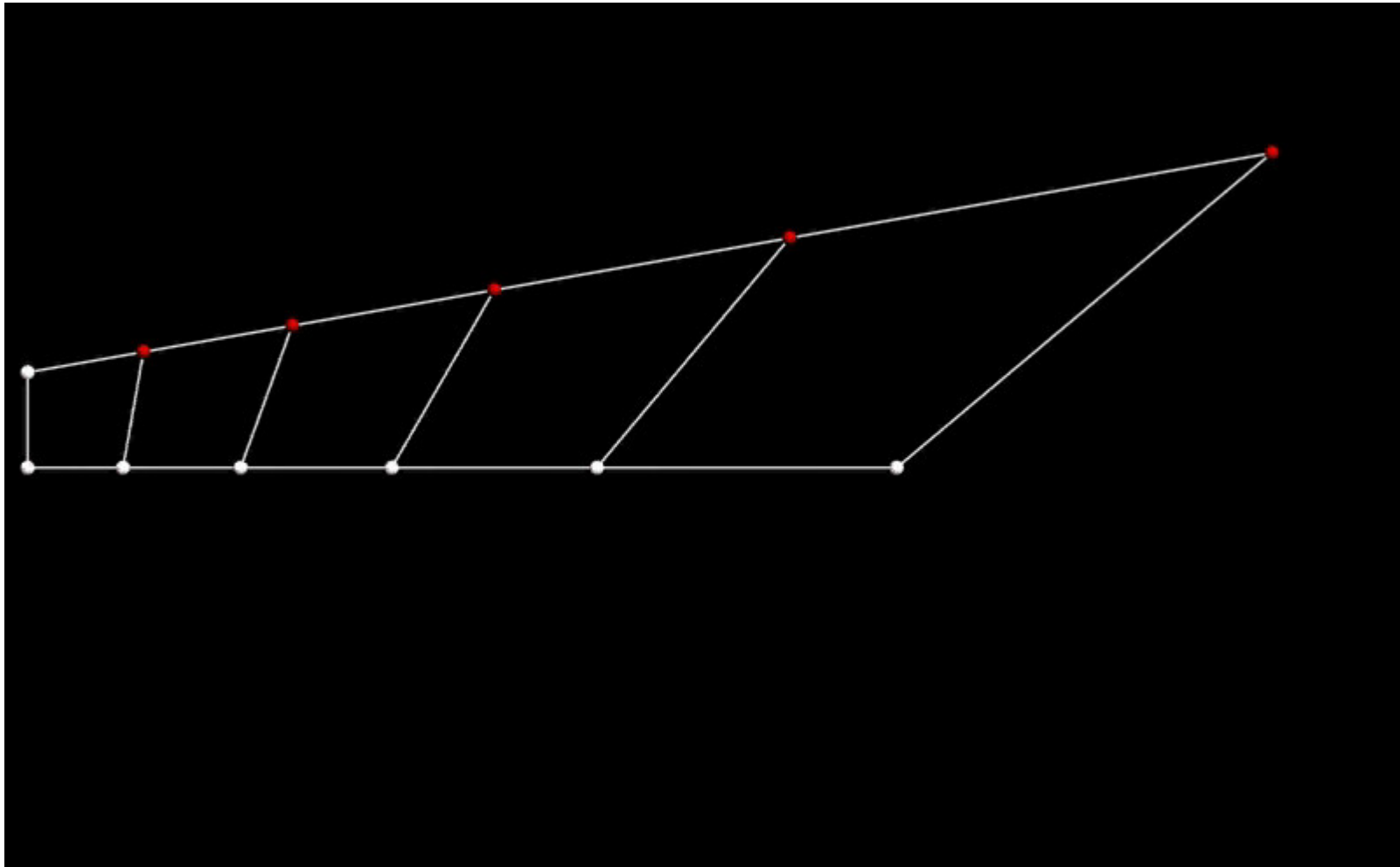
a) Sector generation

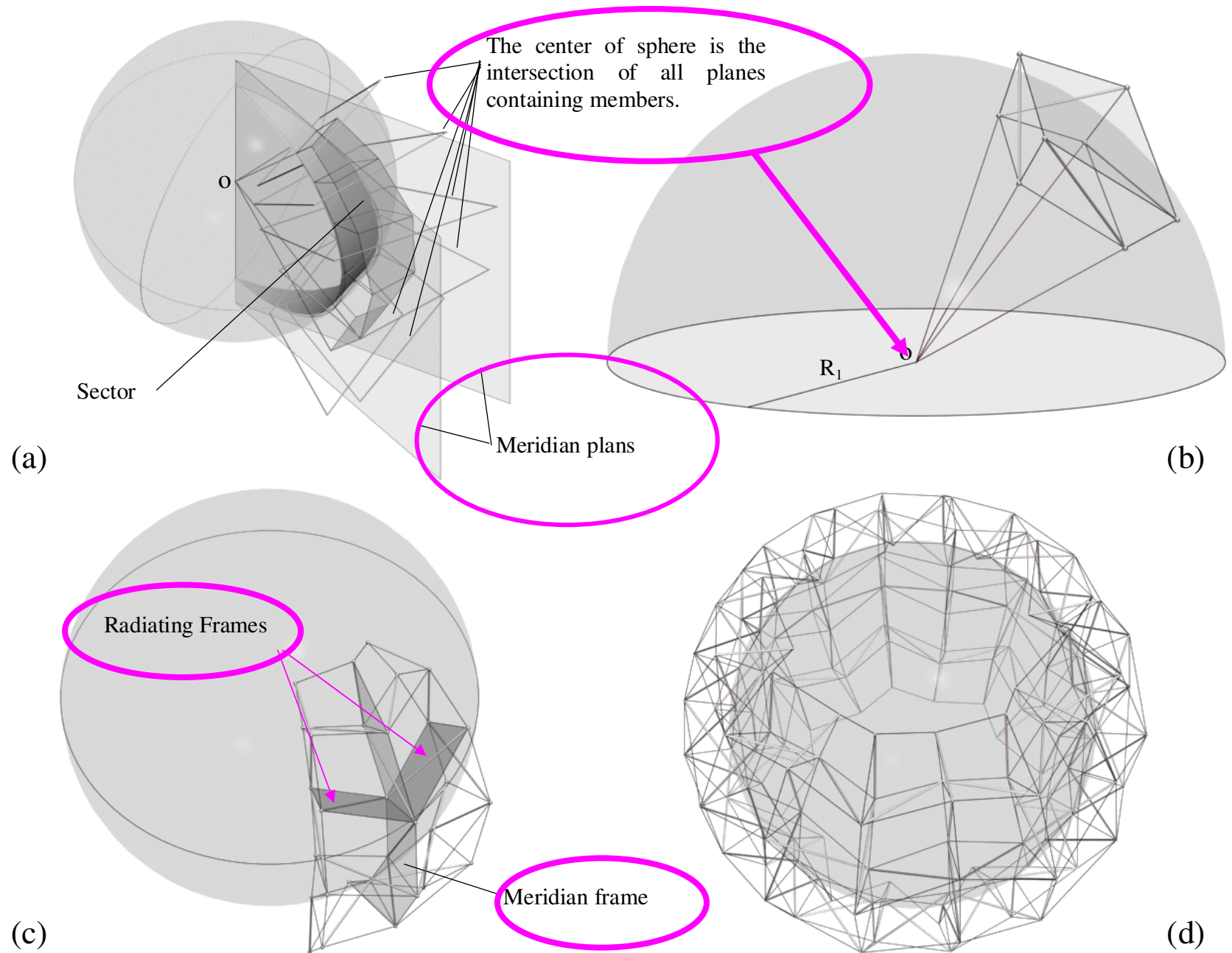
b) Mapping on a plane strip



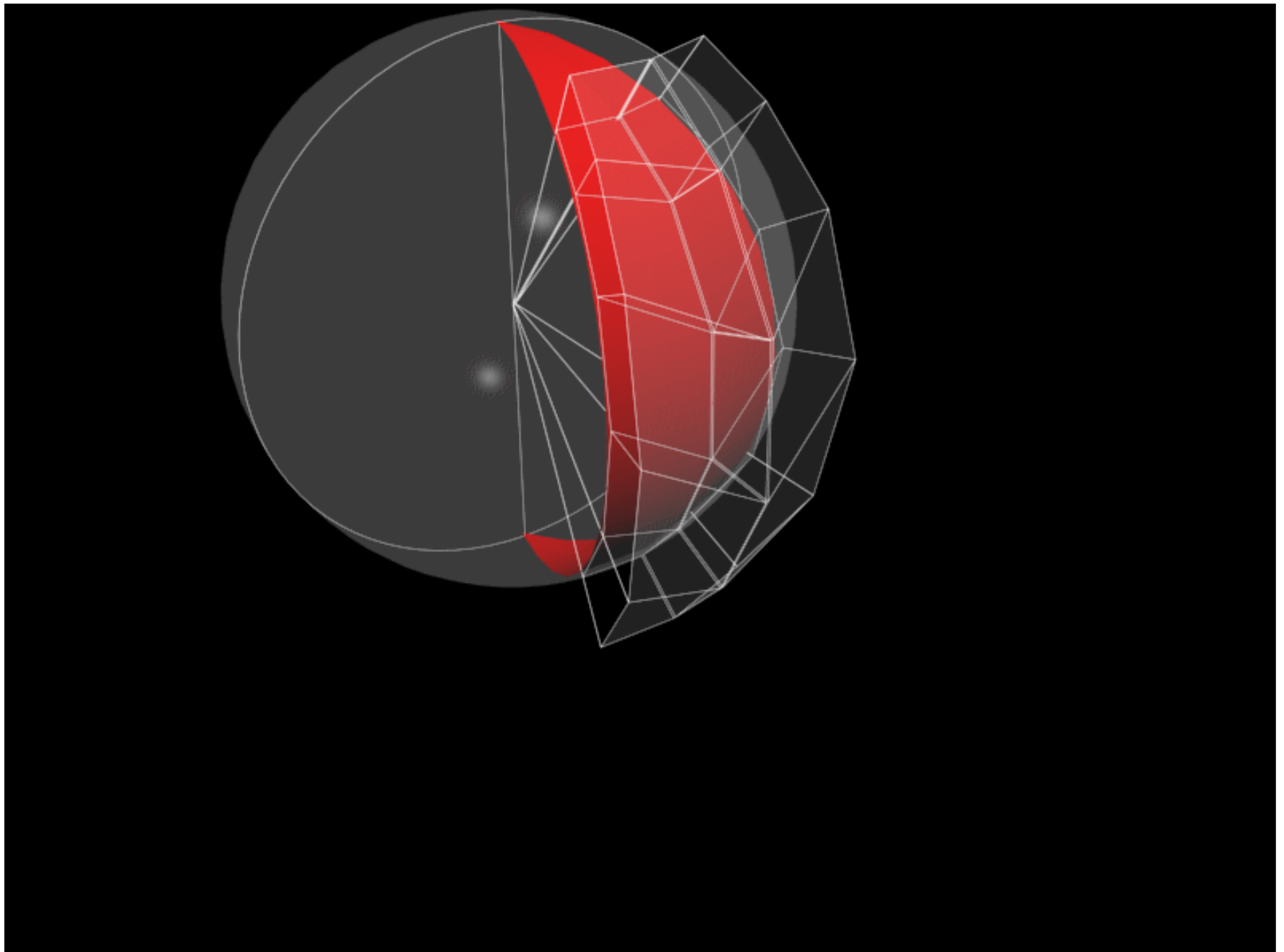
c) Length adjustments meeting compatibility condition

► Design process

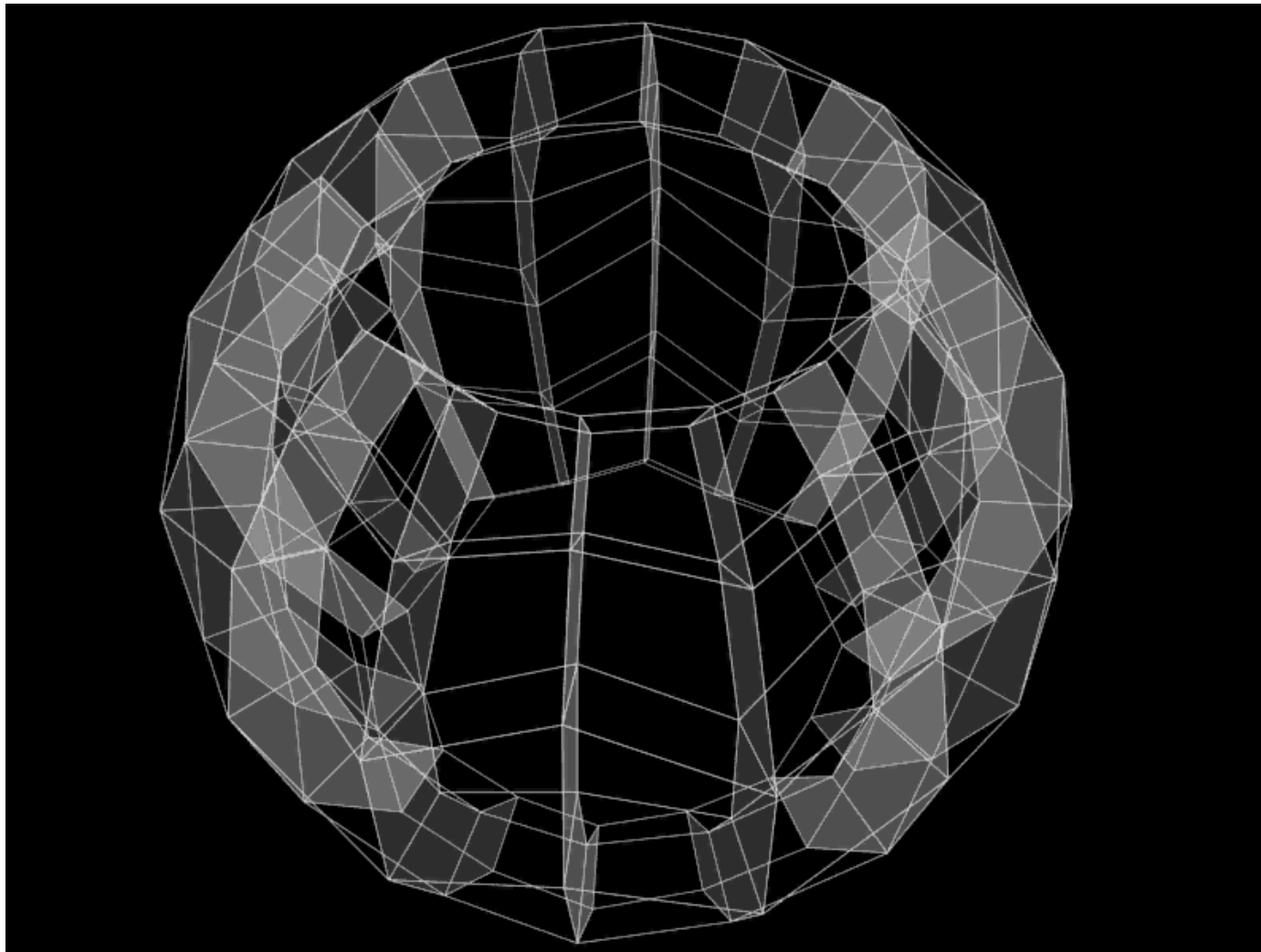




foldability



► Design process



EXERCICE

- ▶ Realize **physical** models of a spherical and foldable tensegrity system

► Extended research

