

SHADE BENEFIT DESIGN

for Myerson Hall Outdoor Seating

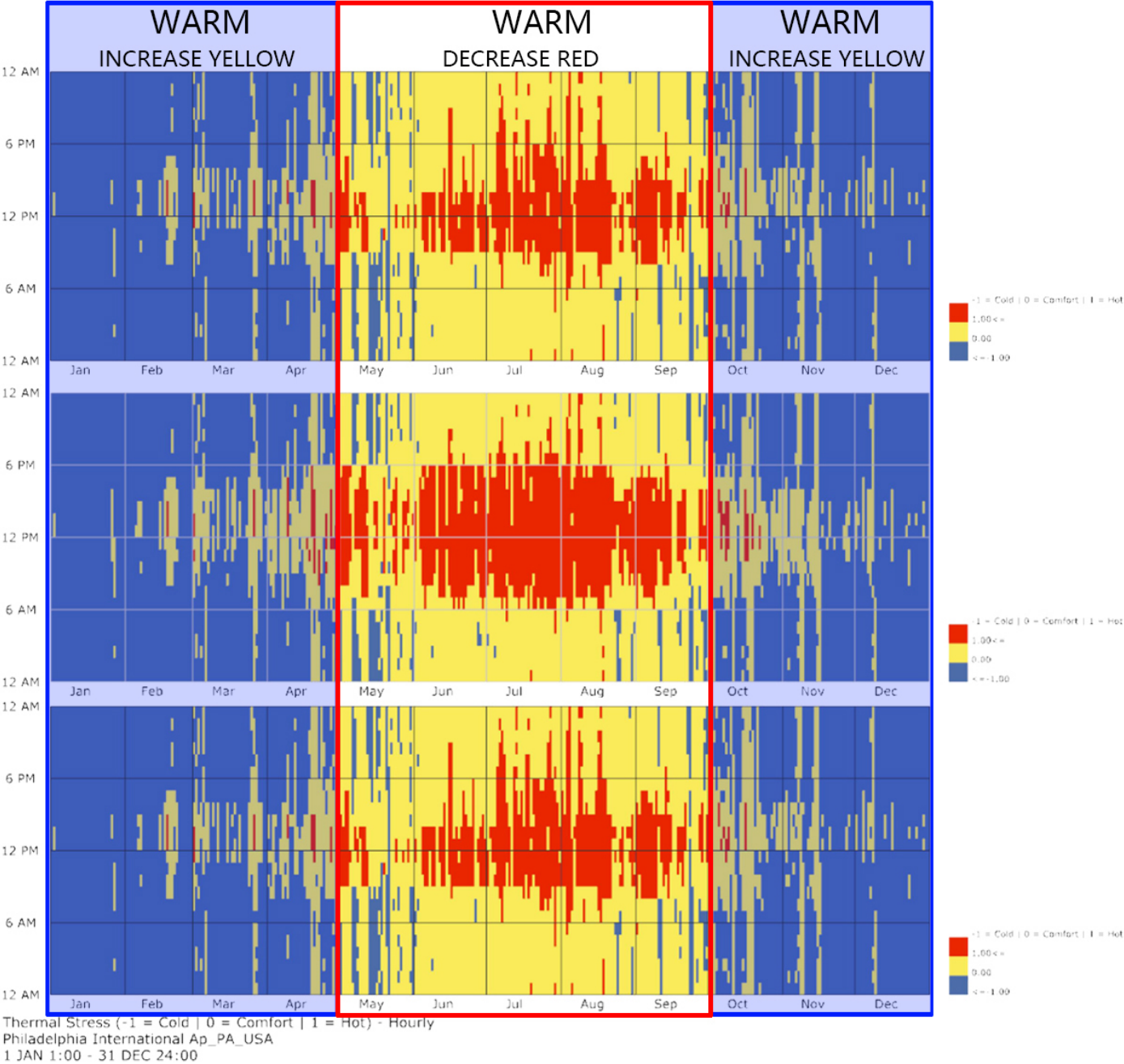
ARCH 753 Building Performance Simulation
Prof. Mostapha Sadeghipour
Shengji, Tan

THERMAL STRESS STUDY

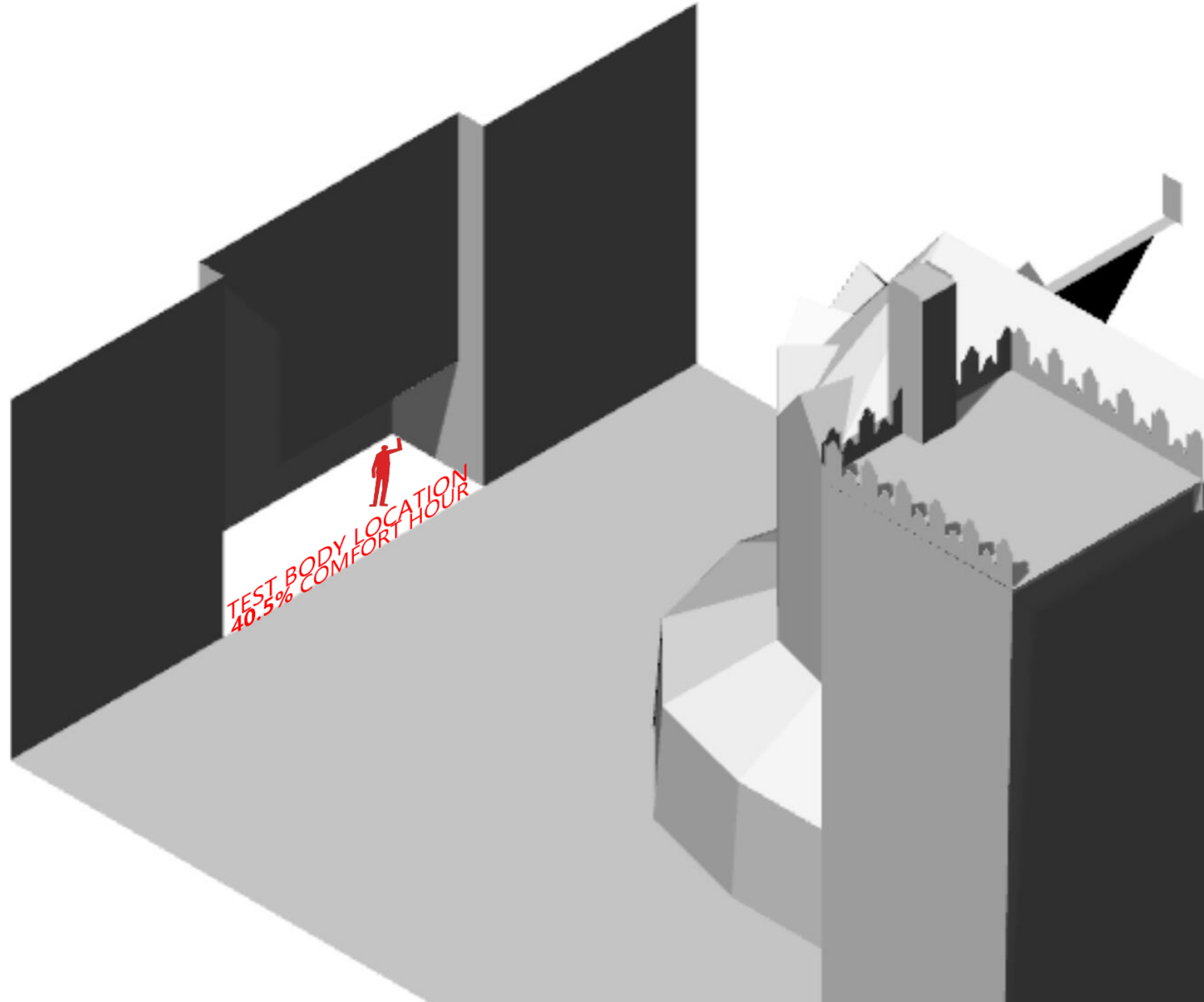
FULLY SHADED
41.27%

WIHT SOLAR RADIATION EFFECT
37.34%

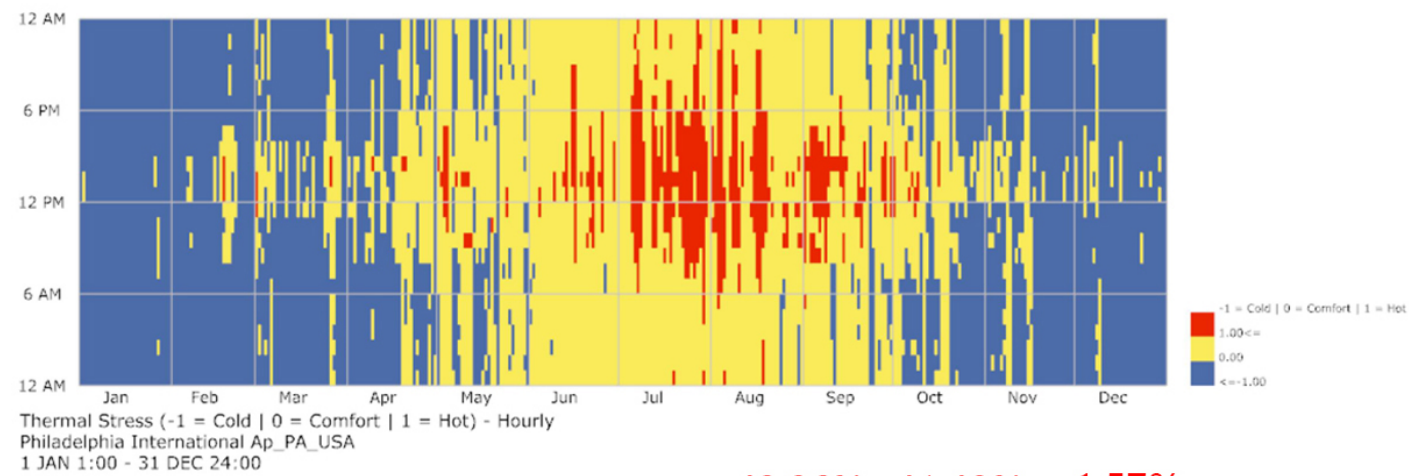
WIHT SOLAR RADIATION EFFECT
MEYERSON HALL BUILDING
41.49%



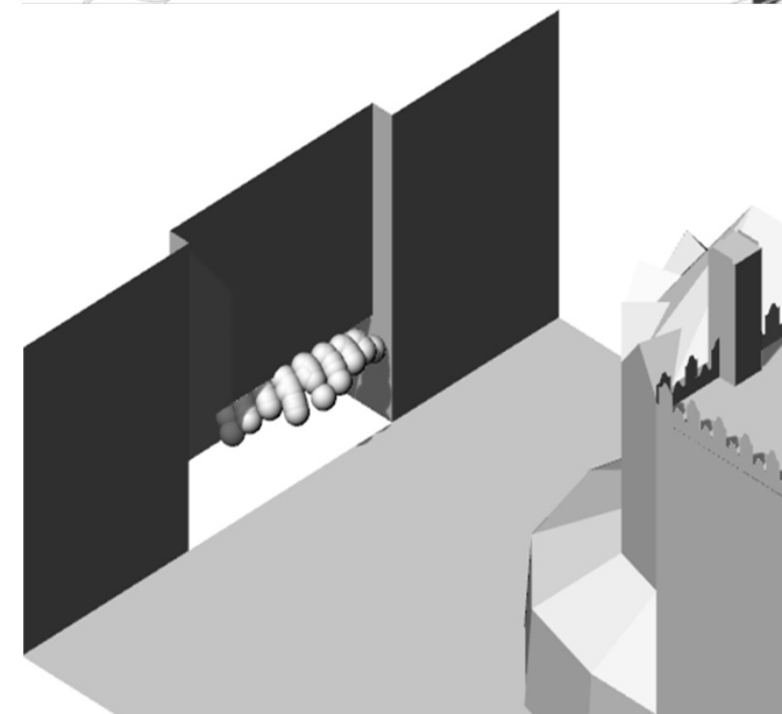
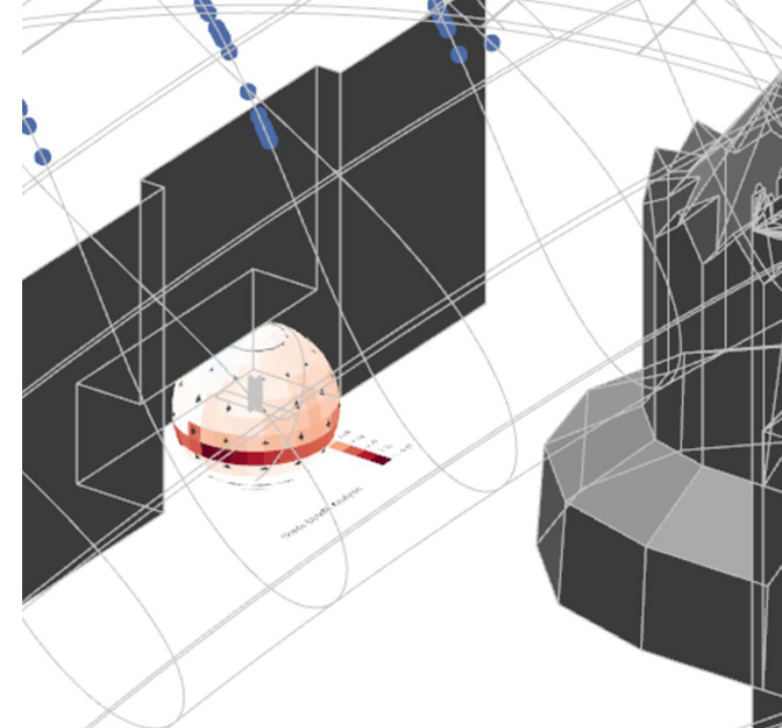
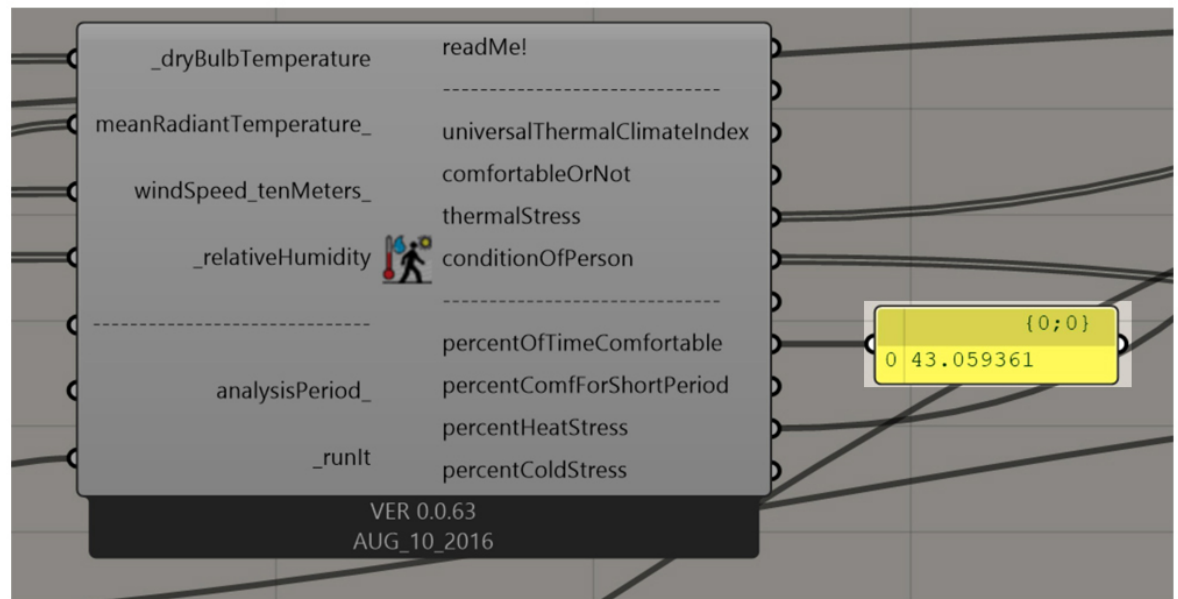
SIMPLIFIED CONTEXT



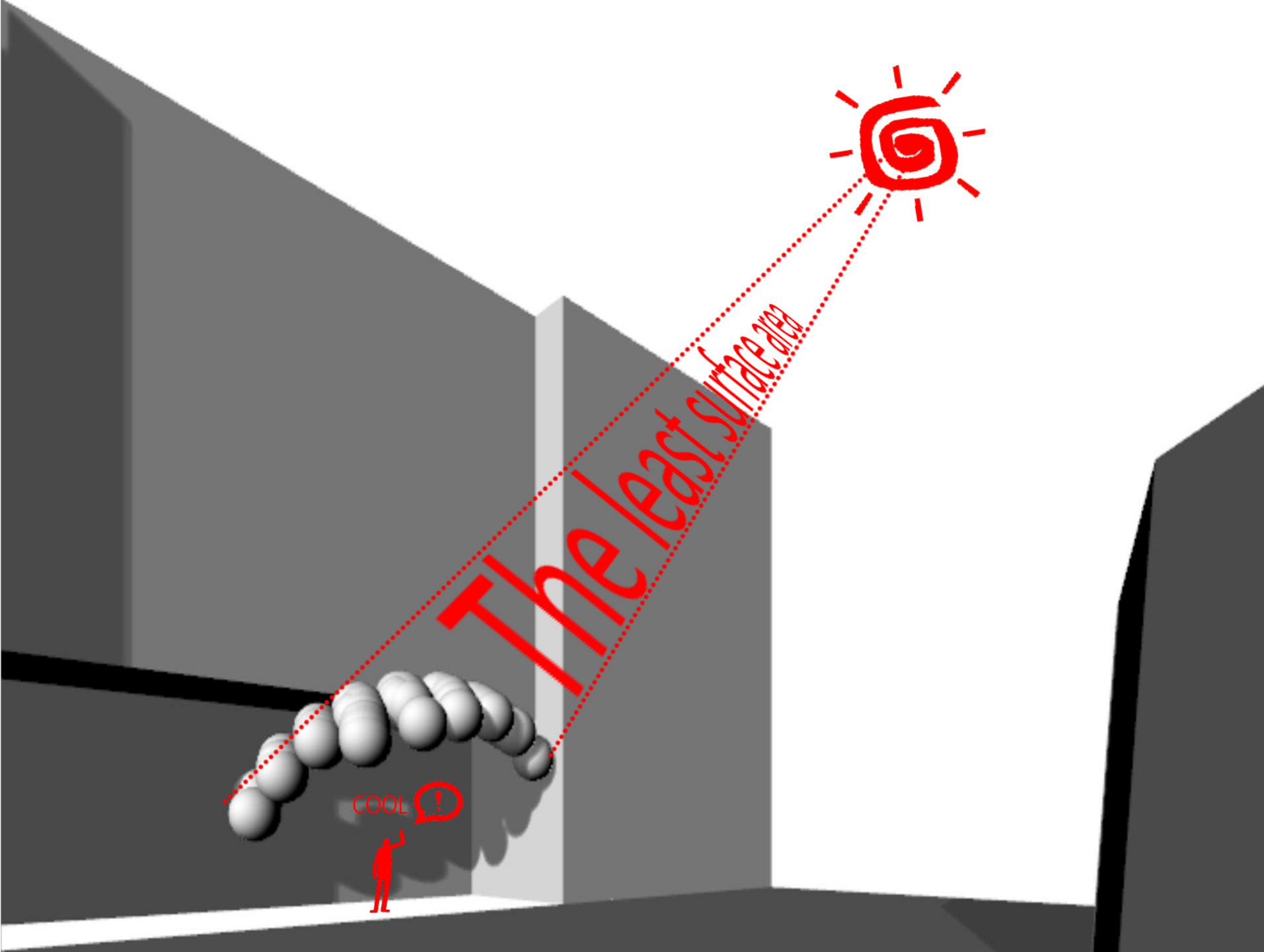
INFLATION CANOPY



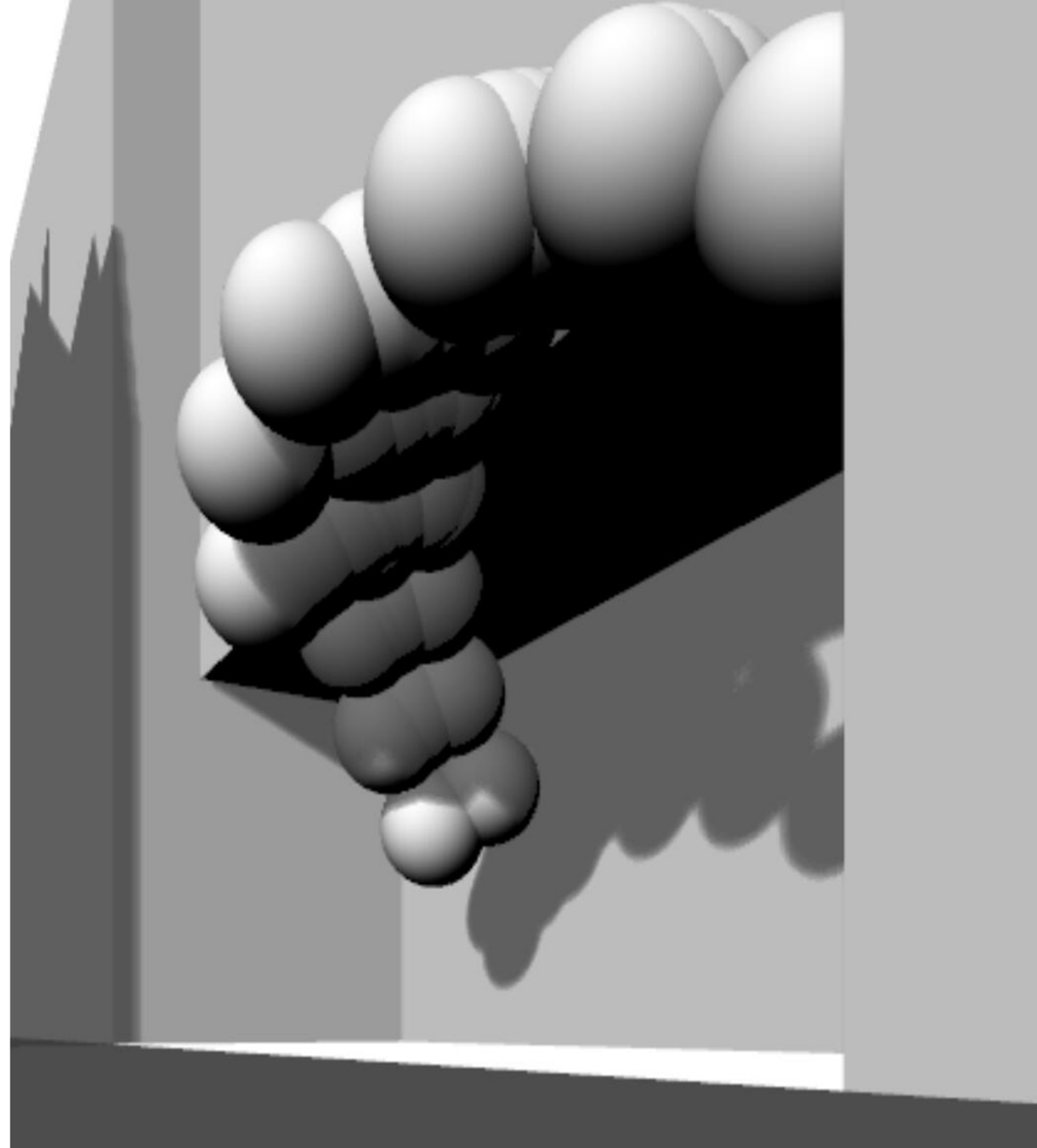
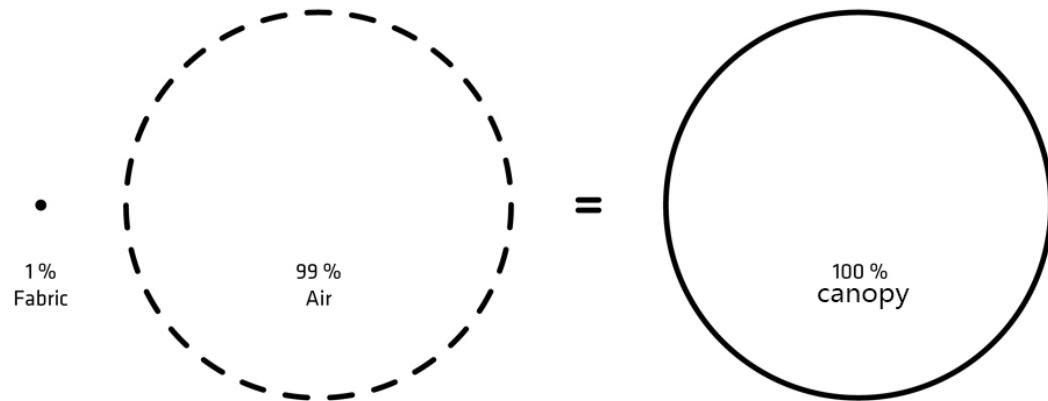
$43.06\% - 41.49\% = 1.57\%$



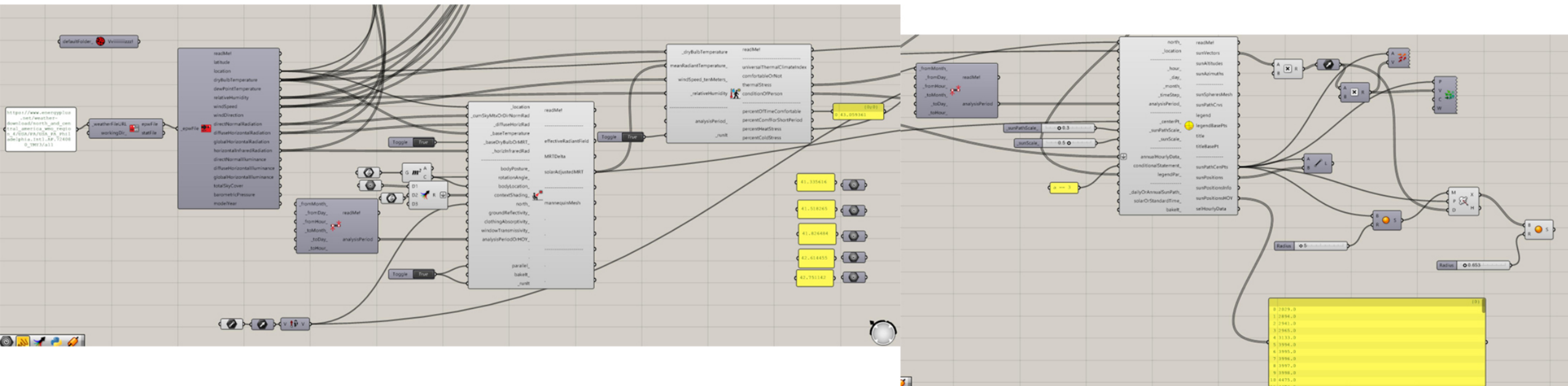
INFLATION CANOPY



INFLATION CANOPY



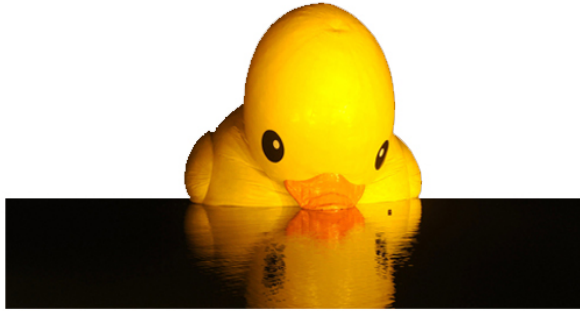
INFLATION CANOPY



ADAPTABLE DESGIN



MOVABLE



ADJUSTABLE



SCALABLE

