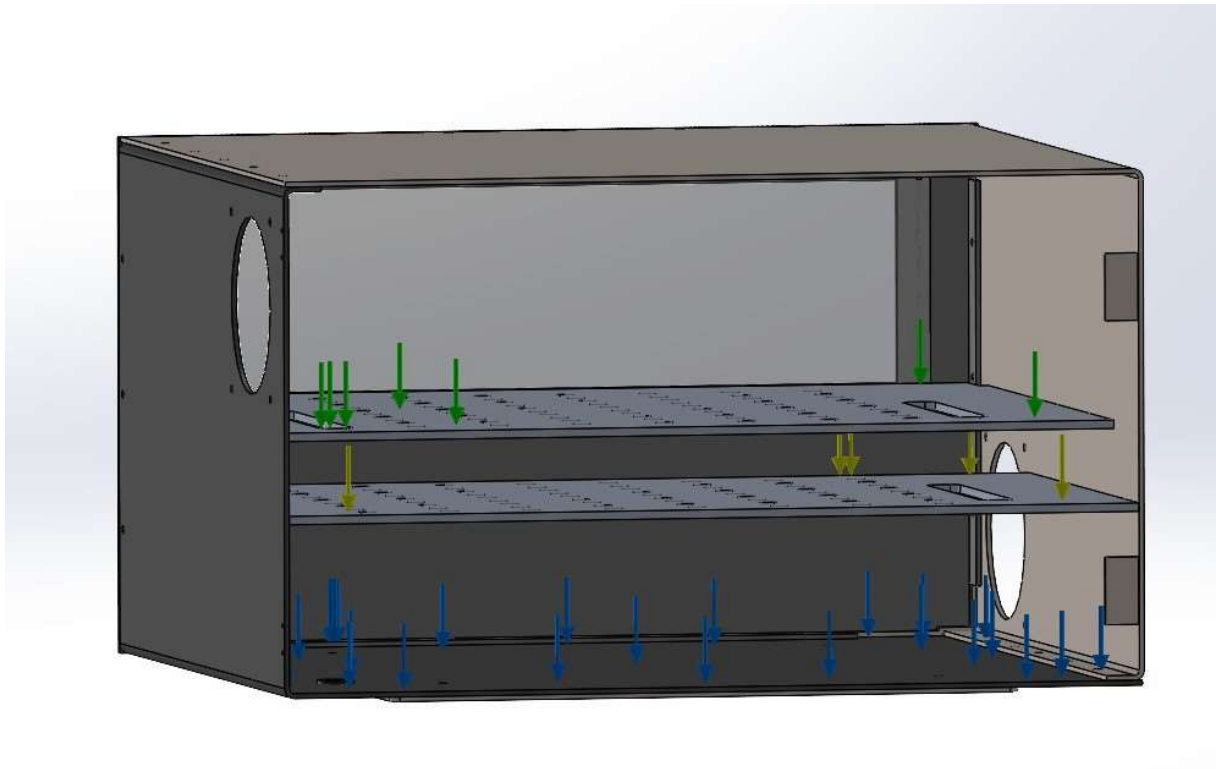


FEM-Analysis Artsy(nc)

Forces which act always:

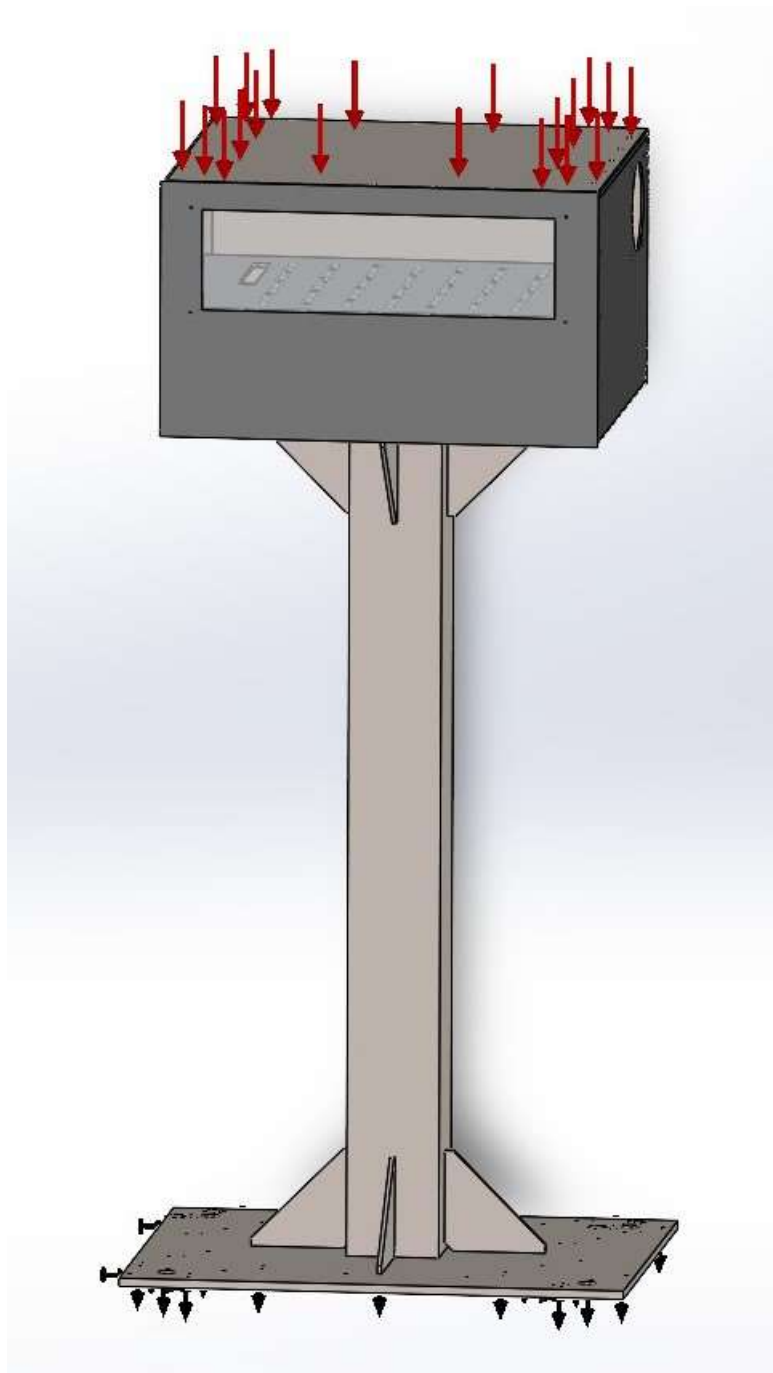


Beamer: green, 80 N

Laptop: yellow, 30 N

Hidden parts: blue, 50 N

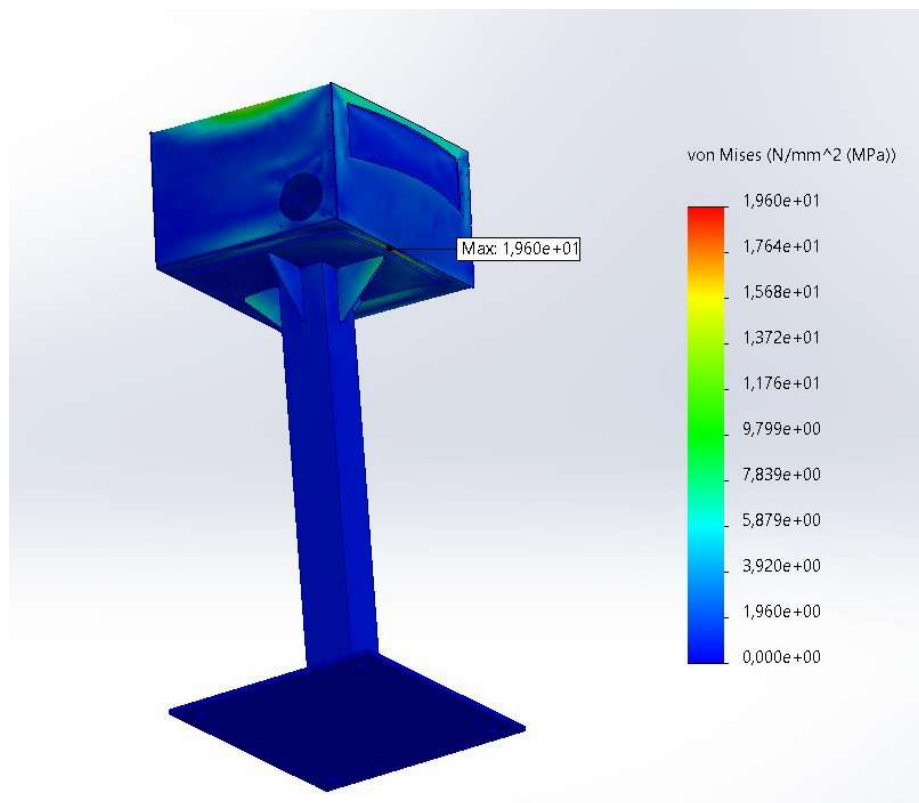
Stand with force on top:



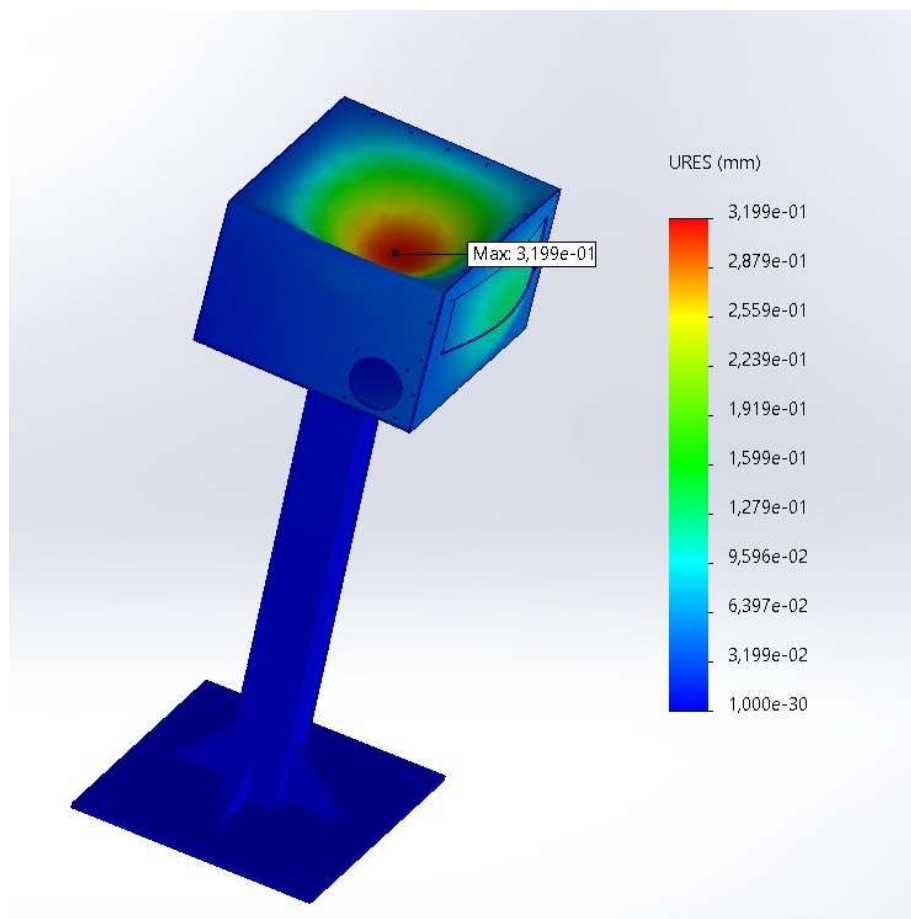
Force on top: red, 1000 N

Fixed geometry: black

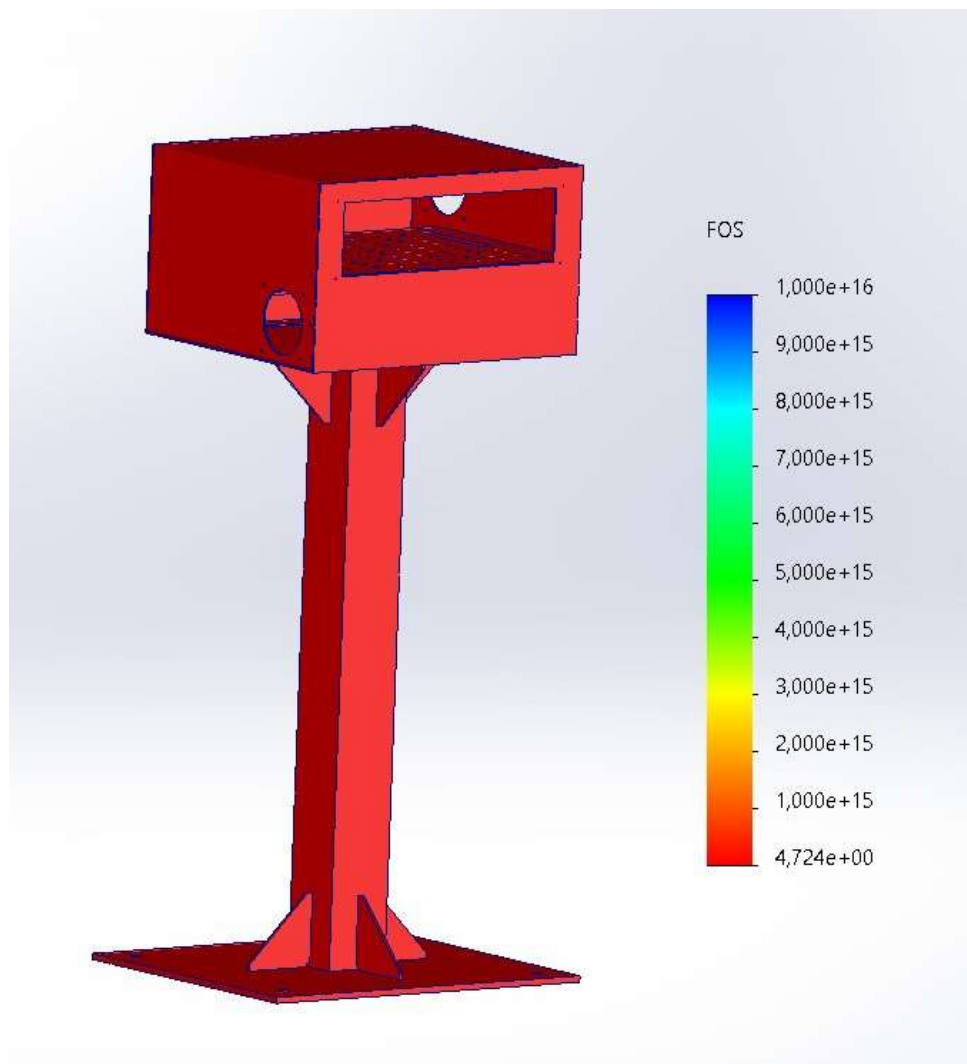
Von Mises Stresses:



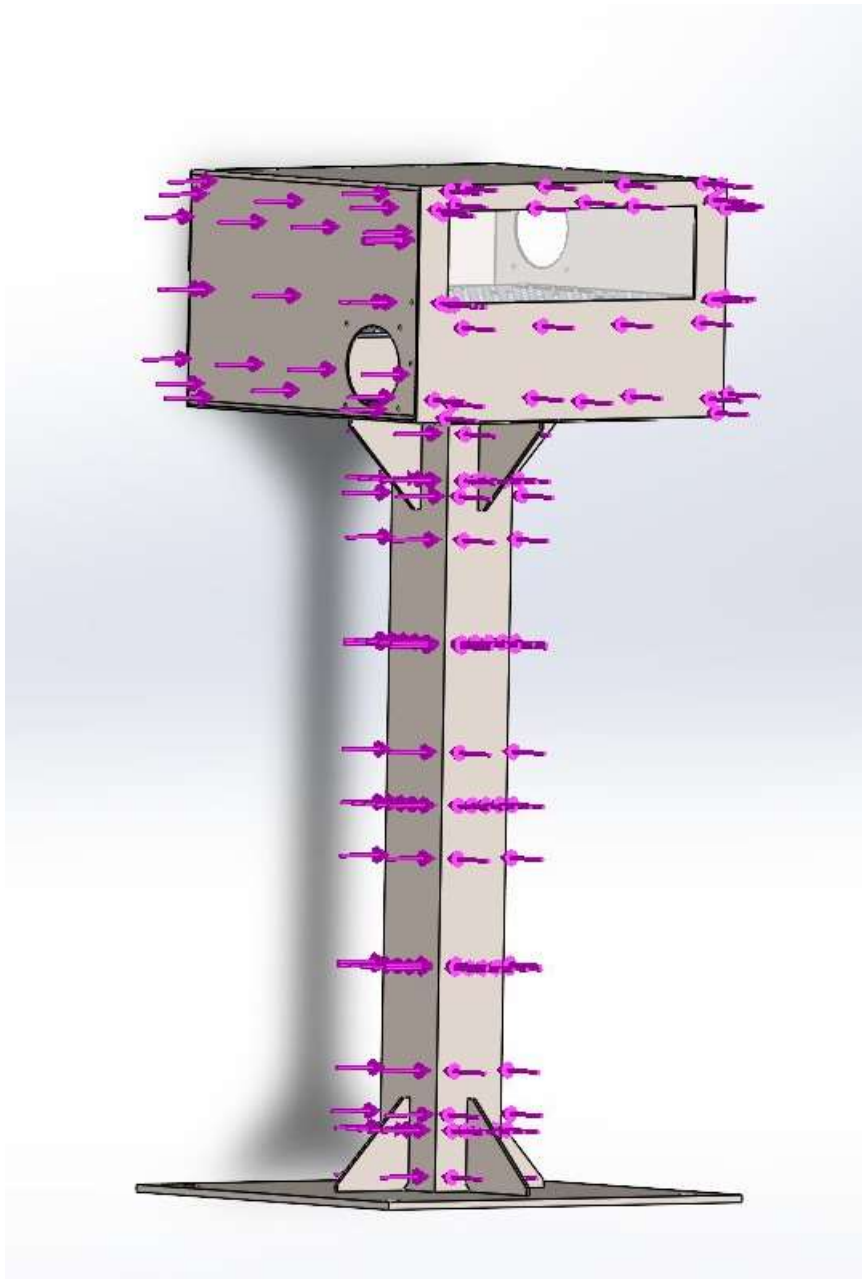
Displacement:



FOS:

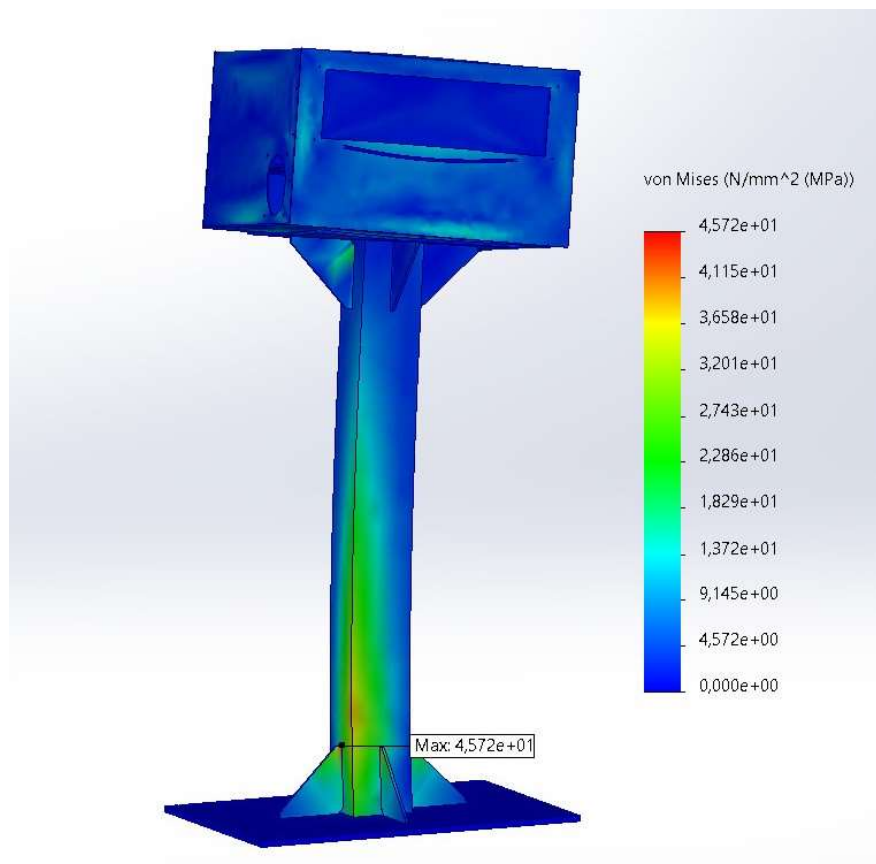


Stand with force caused by wind:

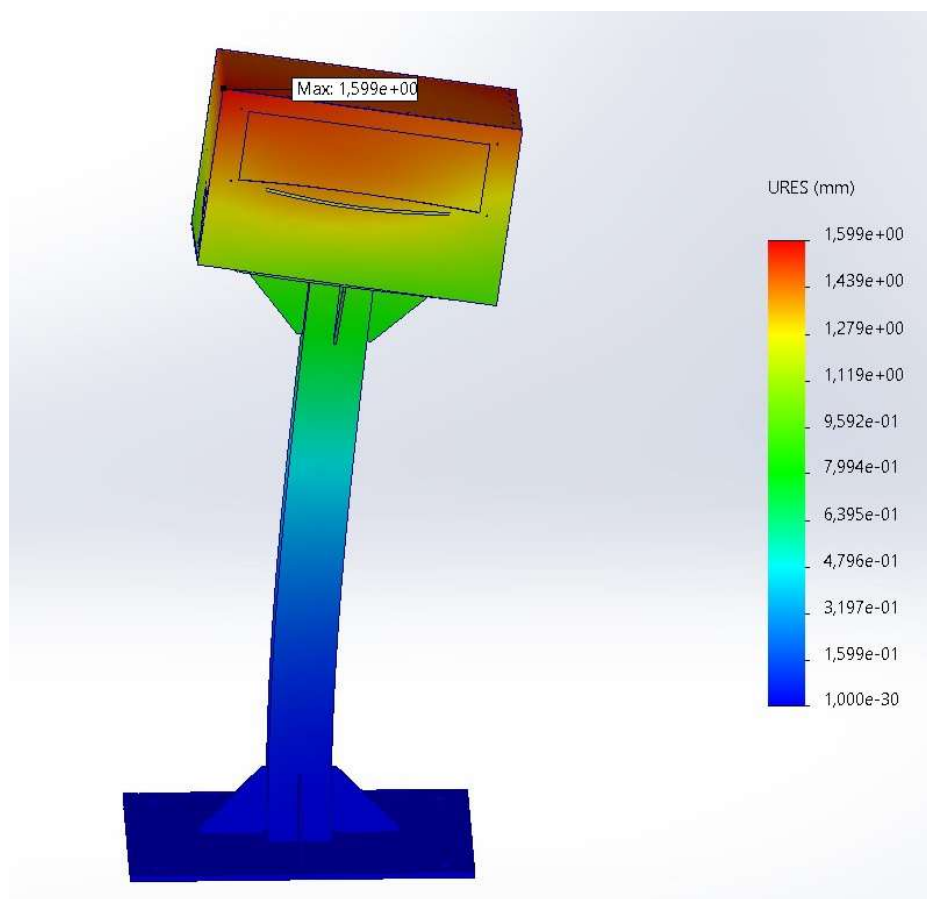


Wind: pink, 1075 N

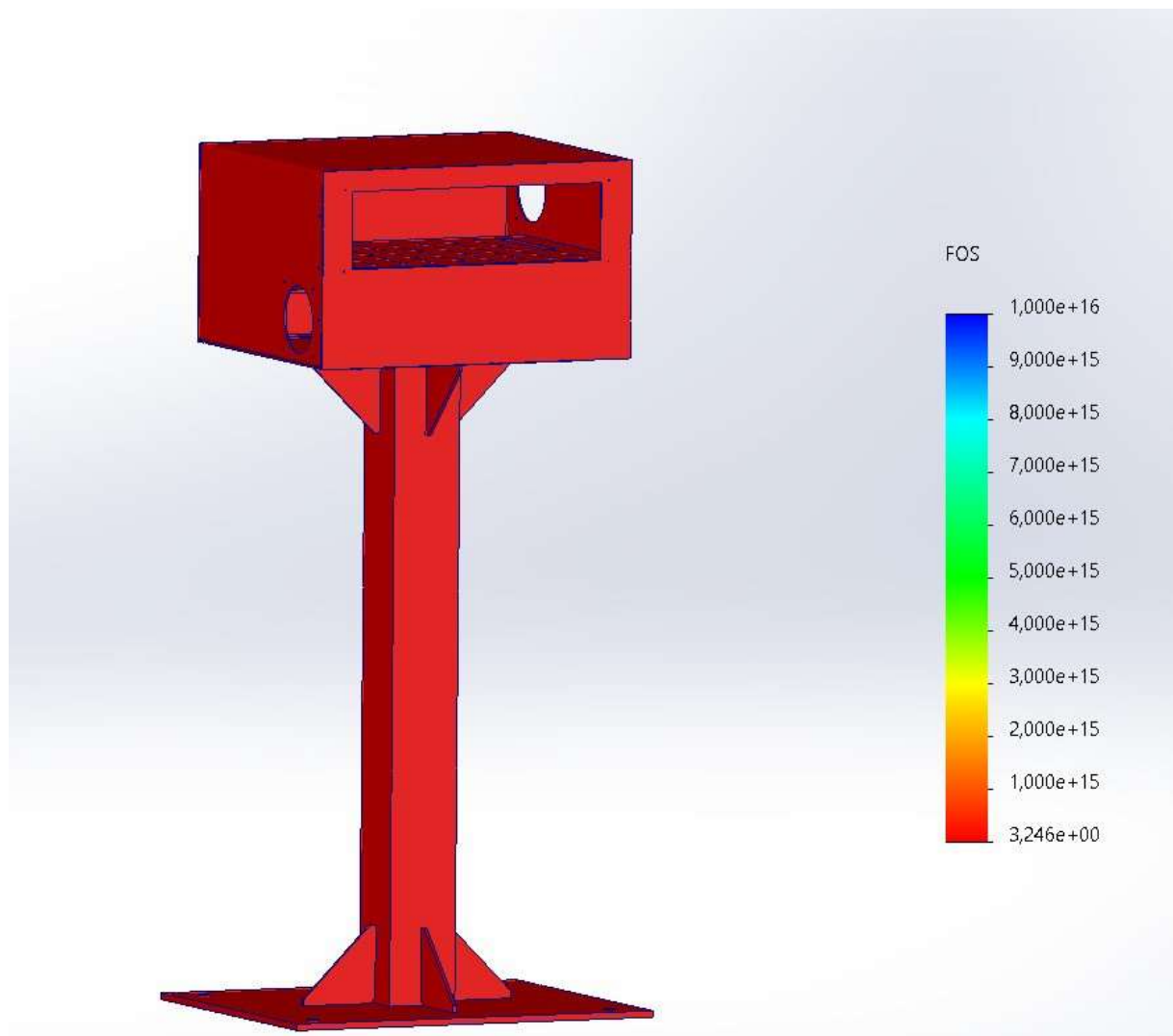
Von Mises Stresses:



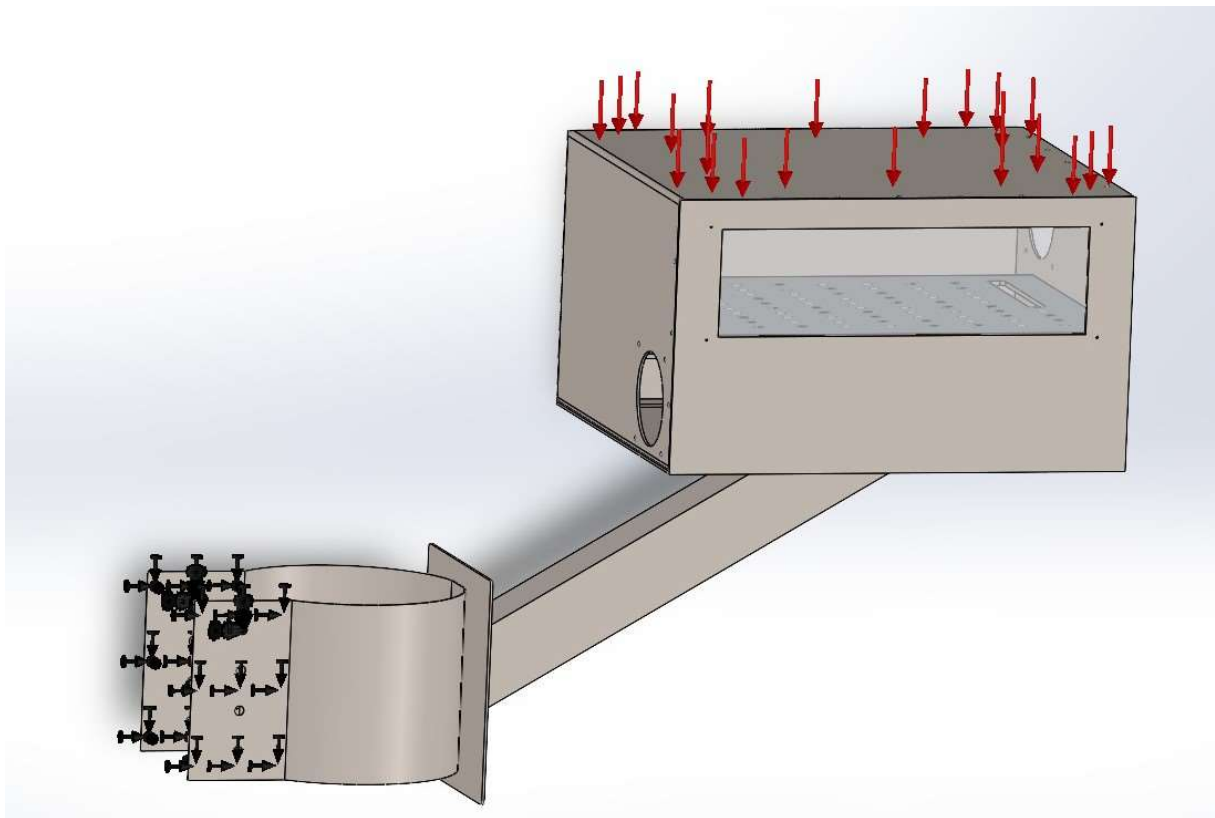
Displacement:



FOS:



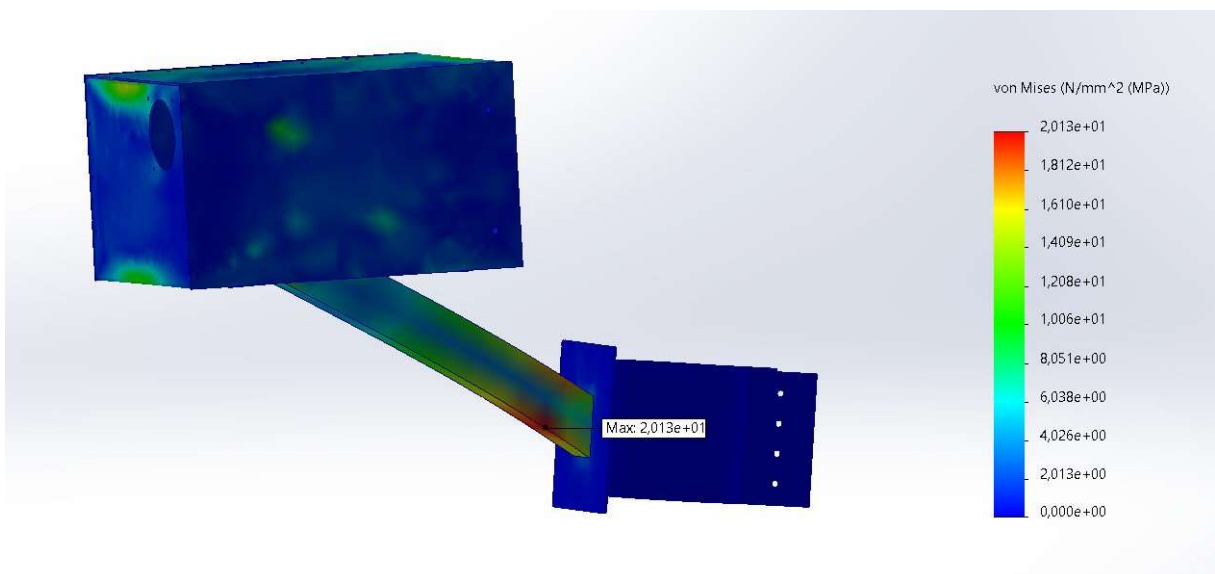
Pole-construction with force on top:



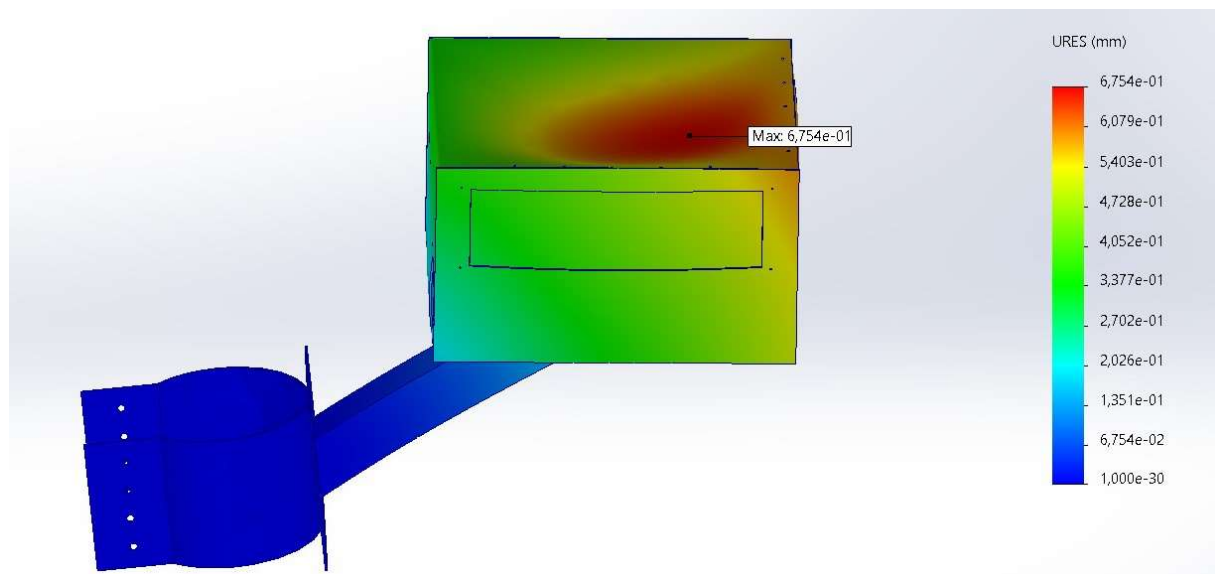
Force on top: red, 1000 N

Fixed geometry: black

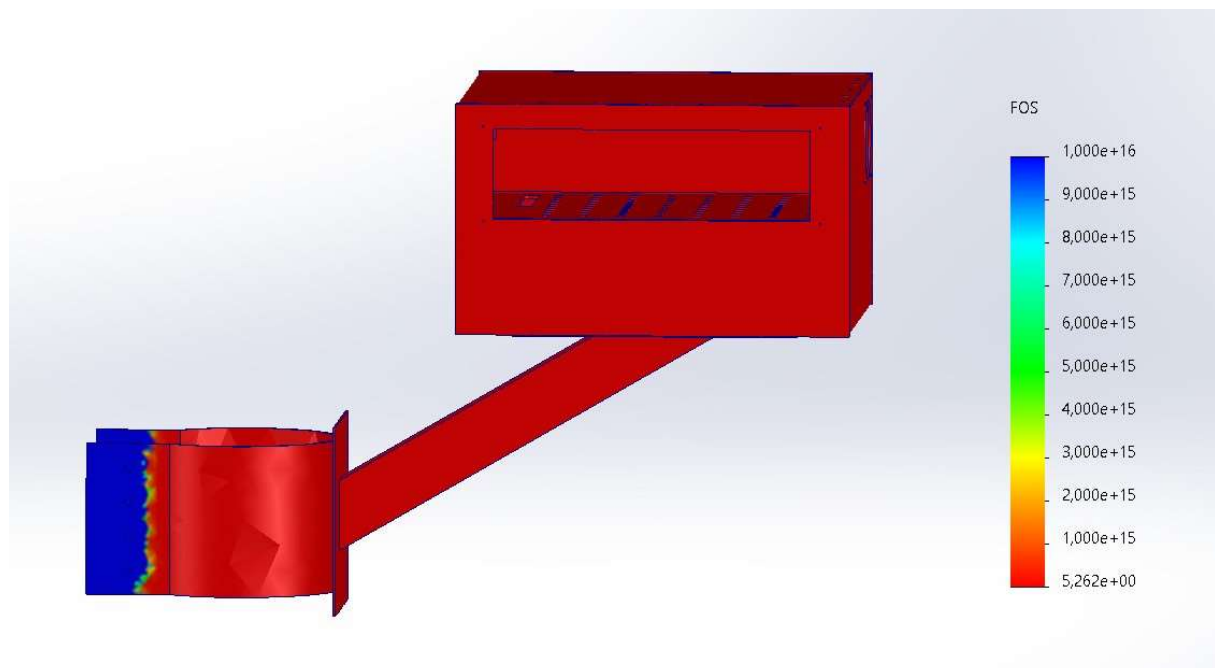
Von Mises Stresses:



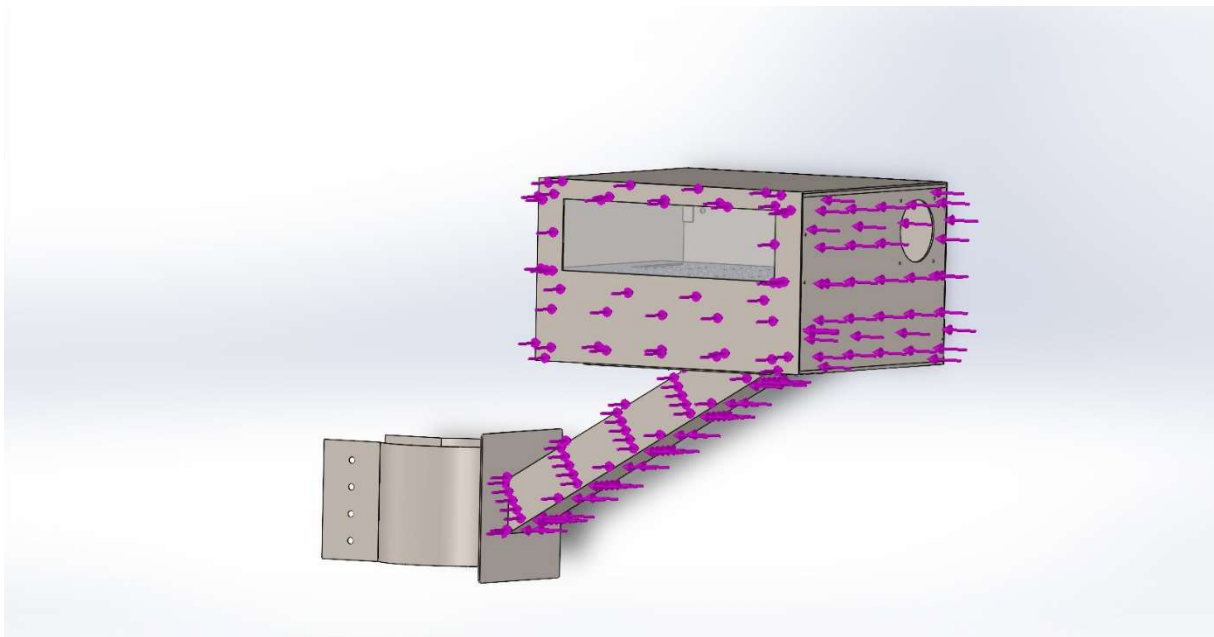
Displacement:



FOS:

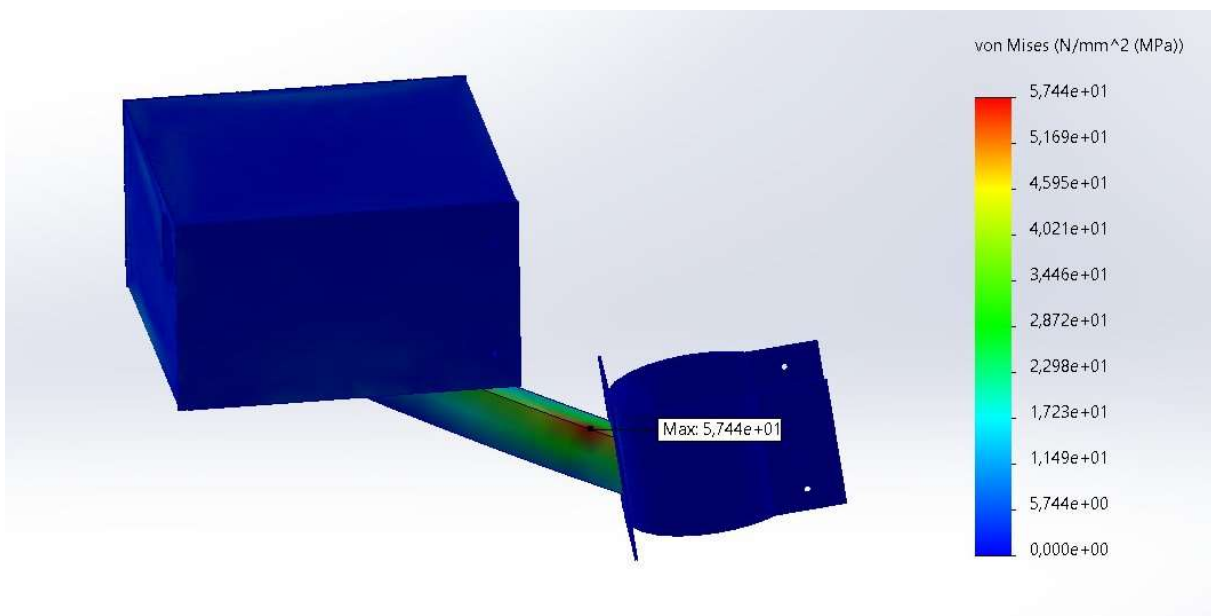


Pole-Construction with force caused by wind:

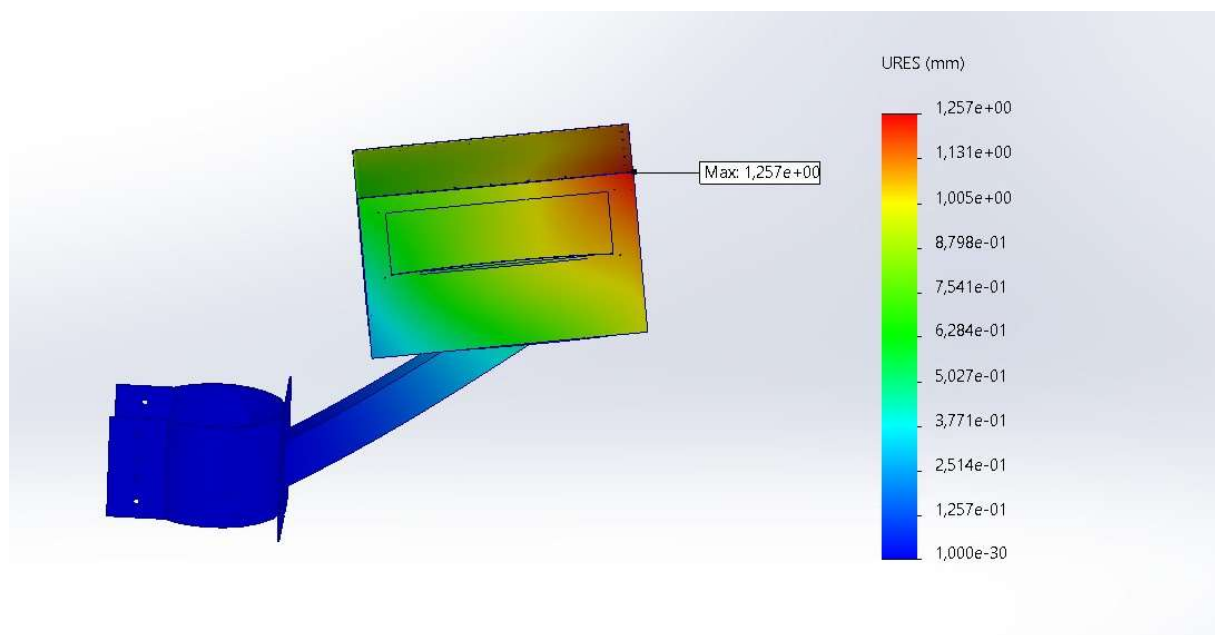


Force of wind: pink, 1000 N

Von Mises Stresses:



Displacement:



FOS:

