**Final results to be used :**

* **SLSQP :**

Static:

2 starting points:

Starting point 1: 5 MW reference case (Static\_SLSQP2).

Starting point 2: Lowest result ( Static\_SLSQP1). Similar result for a thickness factor initial point 0.75

Dynamic:

Starting point 1: 5 MW reference case (Dynamic\_SLSQP2\_smallest)

Starting point 2: Lowest result ( Dynamic\_SLSQP1\_smallstep).

* **GA:**

The idea with GA was to first run the static model for different simulation settings, find out the settings with the most optimal result and then use it for the dynamic model.

Static:

Different parameters that were tuned include mainly the penalty co-eff, so a graph to explain that. Results for all the settings go to Appendix. Also, a difference between results to show how population size does not improve LCOE\change design a lot but increase computational time.

Also, a comparison between design with mutation and without mutation to show improvements.

Finally, present best results.

Dynamic:

For the settings discussed above, design obtained using Dynamic model

* **Design Matrix :**

Summarize the best designs obtained from all 4 configurations. (Think of a way to keep it concise)

* **Compare final static and dynamic design and try to reason out**
* **Finally, check both for Fatigue**