Notes on the PSO code

The codes consists of 5 python files:

1. deus\_ex\_machina.py: main routine

2. sentinels.py: PSO computations routine (positions, velocities, etc)

3. the\_matrix.py: objective function calculation, linked to physics solver

4. sentinel\_config.py: PSO hyperparameters

5. exos.py” auxiliaries such as printing and monitoring

Other auxiliary functions are in the Aux folder:

Plot\_PSOdb : to plot PSO objective function (and other parameters) per iteration

export\_params : to export parameters at certain iterations of PSO