orca_tools

release `v1.0.0` total lines `0` code size `16 kB`

A repo to store several orcaflex manip scripts

models

bathy

Just double click on the `bathy_mesh.bat`

loadcases

- Just fill in the input load excel file in Orcaflex axis convention

direction	X	Y	Z
0	50	-81	0
20	85	49	0
30	60	39	0
50	78	-36	0
90	-83	74	0
140	-9	-34	0
180	-11	44	0
270	-72	12	0

- Just double click on the `launch_generate.bat`

> ⚠️ The name of the sheet needs to be the same as the name in the orcaflex mdoel for the island

postreatment

specific format

This script aims to extract the mooring line loads in the specific format

Just double click on the `launch_posttreat.bat`

3D plot and line elevation

This script aims to do a 3D plot of mooring lines to check visually the line position and a heatmap which is 2D

Just double click on the `launch_plot.bat`

clashing report

This scripts aims to provide a clashing line report with relative z position of each line Vs each line It only checks the relevant lines, i.e, it checks only line side FRONT Vs line side RIGHT for instance. In addition it only check the relative line elevation when XY of each line are close to each other

Just double click on the `launch_clashing_report.bat`