

Sprint plan 6

Bachelor Graduation Project: Model-based Optimization and Visualization of Aircraft Noise

Team: Elvan Kula and Hans Schouten

User Story	Task	Task Assigned To	Estimated Effort per Task
The user wants the source code to be maintainable and fully tested for future extensions	- Refactor the classes Point and Animator	Hans	5 Hours
	- Refactor and extend the population module	Elvan	5 Hours
	- Test the KML Animation classes	Hans & Elvan	10 Hours
The user wants to be able to perform all the tasks in a graphical user interface	- Create the 'home window' in which you can navigate to noise, optimize, visualise	Hans	2 Hours
	- Create the visualization navigation window	Hans	2 Hours
	- Create the visualization input window	Hans & Elvan	2 Hours
	- Create the optimization input window	Hans & Elvan	2 Hours
	- Open the GE plugin in the GUI	Hans	4 Hours
The user wants to be able to output specific noise output values	- Calculate contour area using spline function	Hans & Elvan	5 Hours
	- Calculate spline coefficients	Elvan	3 Hours
The user wants to visualize the noise contours along the whole trajectory in a 2D animation	- Calculate the noise contours in one step (speed-up)	Hans	5 Hours
	- Set the camera perpendicular to the trajectory	Elvan	2 Hours
	- Add the option to read in multiple trajectories	Elvan	5 Hours