

Sprint plan 8

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 to be able to optimize the input trajectory for minimum noise and awakenings	- Implement Genetic Algorithms using Genetic Sharp	Hans & Elvan	5 Hours
	- Build a simulation model (aircraft trajectory, noise)	Hans	5 Hours
	- Implement the International Standard Atmosphere (ISA) model	Hans & Elvan	8 Hours
	- Define and implement a trajectory's fitness	Elvan	5 Hours
	- Make the genetic algorithms multi-core and multi-threaded	Hans & Elvan	10 Hours
	- Find the optimal settings for multi-core	Hans	3 Hours
The user wants the team to report on their process and product	- Chapter 1: Problem definition	Elvan	2 Hours
	- Chapter 2: Problem analysis	Elvan	4 Hours
	- Chapter 3: Design and implementation	Hans & Elvan	5 Hours