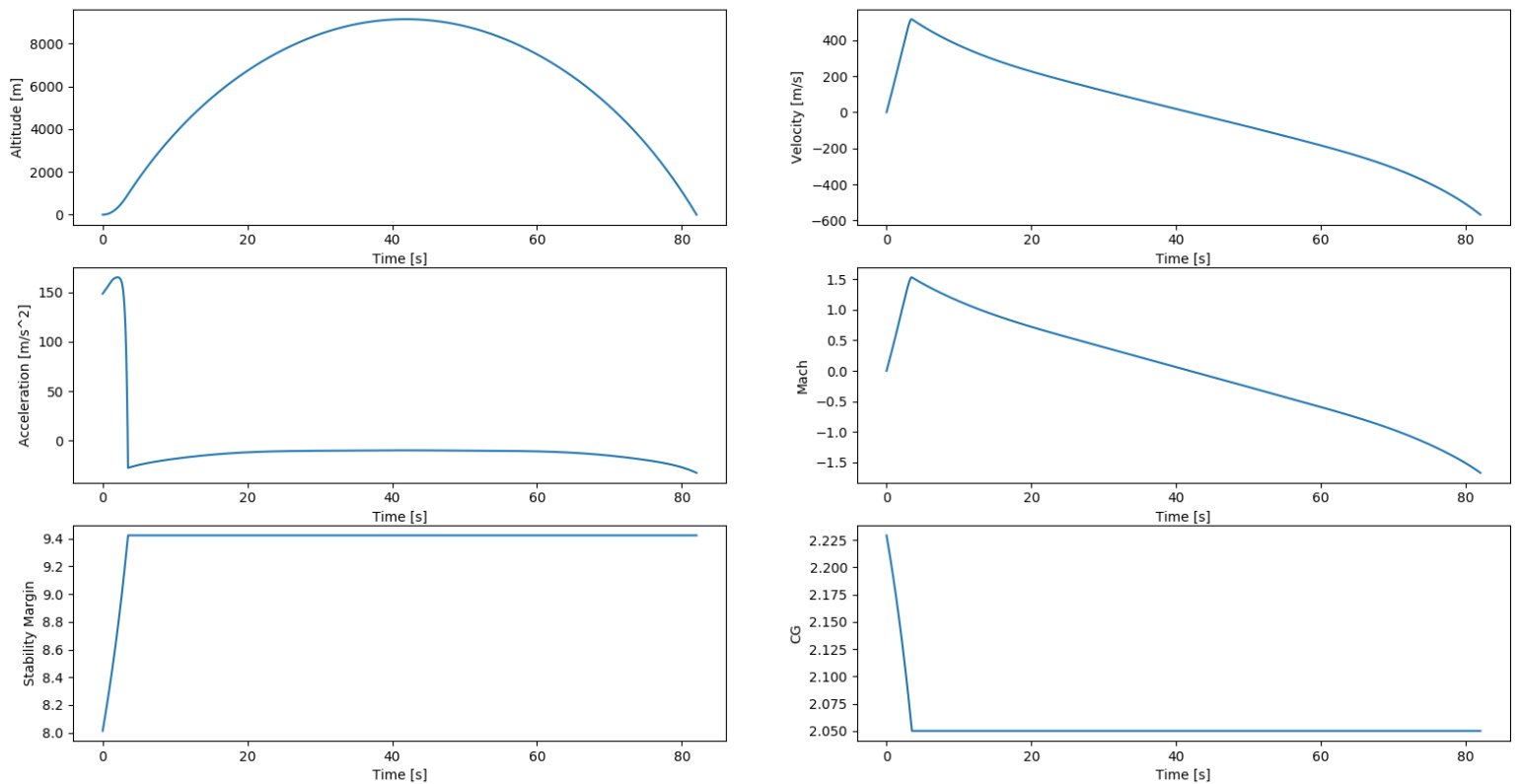


Matthew Berry

- **Plots**



- **Ballast**

- The computed ballast was 1.65kg which allowed the rocket to reach an apogee of 9144m or 30000ft

- **5 things I learnt**

- That most of the rockets upwards trajectory is coasting flight
- How to upload to git
- How to use cython and linux commands
- How to model the centre of pressure for a rocket
- How to use a ballast to weigh the rocket down to a set altitude

- **2 things I found difficult**

- Wrapping my head around git and how it worked
- Some of the optimisation and debugging was funky to figure out

- **What I enjoyed the most**

- Learning about the actual trajectory of the rockets and coding the trajectory