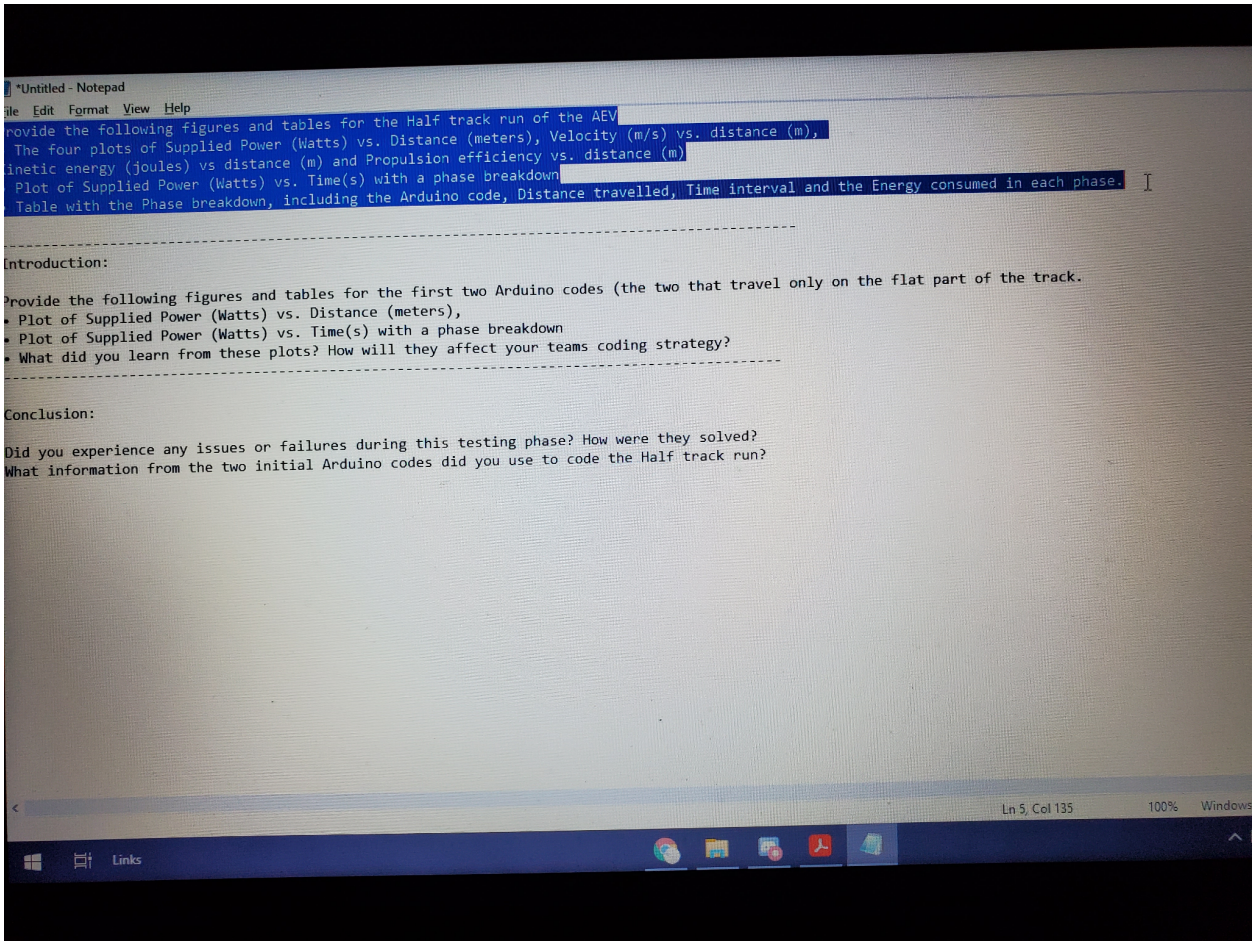
Lab Split memo 5



Work Split memo 6

Ian Claggett:

Executive summary

How did this performance test affect the design process?

Table that has a Breakdown of supplied energy set into phases

Description of the two concepts

Stuart Fanko:

Introduction

Screening and Scoring Matrices

System eficiency vs Advance ratio graph

Appendix

Ed Doerring:

Conclusion and recommendations

Observations from the run

Figure of supplied power vs time/distance

Worksplit Performance Test 2 and 3

----------(Grouping 1)

-Introduction

-Power versus time for the track testing with the energy table.
Discuss how it shows the energy use and the distribution of power
needed to satisfy the mission.

-Discuss what tasks were needed to be completed to obtain the most
efficient vehicle the team created.

----------(Grouping 2)

-Conclusion

-discuss code optimization and the changes to the AEV to create
the most efficient vehicle system.

-Discuss any observations made during the runs

----------(Grouping 3)

-Discuss programming strategies

-Provide Figure of power vs distance to compare

-Provide another figure of power versus distance or time for
code optimization

Worksplit Presentation

Slide 1: Title slide
Slide 2: introduction (Stuart)
Slide 3: Preliminary designs (Stuart)
Slide 4: Design Process/concept screening/1st design "Indefatigable" (Stuart)
Slide 5: Comparing Design 1 vs Design 2 (Ian)
Slide 6: Programming Design process (Ian)
Slide 7: Problems resolved during coding process (Ian)
Slide 8: Problems resolved during design process (Ed)
Slide 9: Explaining Final design (Ed)
Slide 10: Summary/conclusion (Ed)

Worksplit presentation poster

----------(Stuart Fanko)

Introduction

Design Process

----------(Ed Doerring)

Summary

Preliminary design

----------(Ian Claggett)

Programming Process

Final Design