

MEETING AGENDA

Topic: Individual Analysis II

Tuesday, February 26, 2019

Meeting called by: Team

Attendees: Michael Broyles, Ethan Smith, Brandon Beaudoin, Jonathan Hernandez, Nathan Zufelt

Please bring: Laptop, Notebook, Relevant research

Location: Engineering Room #323

Objective: Define all topics for individual analysis

Notes: Balsa wood is being laser cut on Wednesday, construction will begin this weekend.

4:00	Begin meeting: Call meeting to action Scribe: Jonathan Fill out weekly peer review	Engineering Room #323
4:15	Team members discuss their weekly task: Define a topic for individual analysis Brandon – Voltage regulator Michael – Magnet strength Nathan – Motor/propeller thrust/power draw Ethan – Ultracote transparency Jonathan – Wing mounting stress analysis	Engineering Room #323
Remaining Minutes	Plan for next meeting New Action Items: Complete individual analysis Brandon – Voltage regulator Michael – Magnet strength Nathan – Motor/ propeller thrust/power draw Ethan – Ultracote transparency Jonathan –Wing mounting stress analysis	Engineering Room #323
To Contact	Novakinetics – Carbon layup (nose cones, wing shrouds)	N/A
To Order	On board camera	N/A

Minutes 2-26-18

Discuss main topics that will be covered on individual analyses.

Brandon

- Expected voltage output and fluctuation
- Efficiency -> all lost power goes to heat
- Heat transfer/ fuselage ventilation

Mike

- Tested his magnets and found their typical strength

-Will put a factor of safety to ensure the fuselage stays put

Nathan

-Find time to go and test motor/propeller combo

Ethan

-Making a model and stretching ultracote over it to test output and compare to open air

Jonathan

-Finishing wing attachments and testing different loads, try to mimic the moment created by wing.

Other notes-

Manufacturing-figuring out what needs to be done and how to source it.

NovaKinetics-

Cone carbon design questions. Ethan is going to contact Jim about resourcing materials.

Team Built time considerations.

Saturday-???