

MEETING AGENDA

Topic: Design for thrust

Monday, October 15, 2018

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: Discuss input from two professional meetings and move forward in aircraft design.

Notes: Intention of the near future is to find an electrical system which will fit the function needed by the aircraft.

5:15	Begin meeting: Call meeting to action Scribe - Michael	Engineering Room #323
5:30	Team members discuss the meetings and where to go from here	Engineering Room #323
Remaining minutes	Plan for next meeting New Action Items Brandon – Servos/actuation cables/hinges Michael – Motor Nathan – Moment analysis Ethan – Prop Jonathan – Speed controller	Engineering Room #323

Plan to start testing motor/prop combos:

Build jig

Figure out wiring

Acquire propellers and motors

Minutes 10-15-18

- There was talk about using balsa wood for the prototype and look if we can get carbon cnc'd how we would like.
- Tasks were assigned to individual components that we need to source for the project.
- Went over information from the flagstaff flyers meeting as well as the nova kinetics meeting, began to discuss path forward for these.
- Watched several RC plane videos that utilized solar power as well as videos which analyzed motor output using a scale.
- Brandon ordered a voltage and wattage measurement device for RC.
- Nathan mentioned that if we use a folding prop, we will need to develop our fuselage far enough forward to allow the folding of the prop.
- Began to look at large diameter, low Kv motors that can produce large amounts of thrust at a slow rpm.