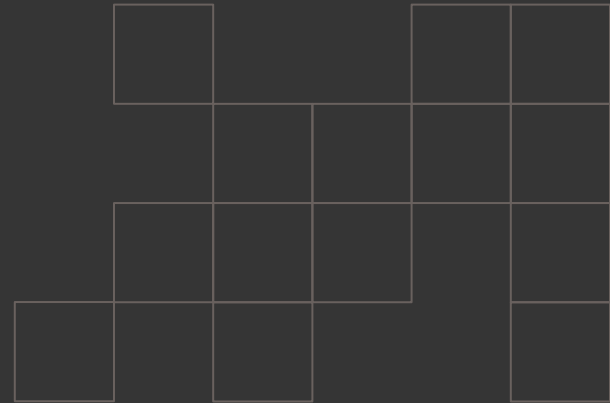
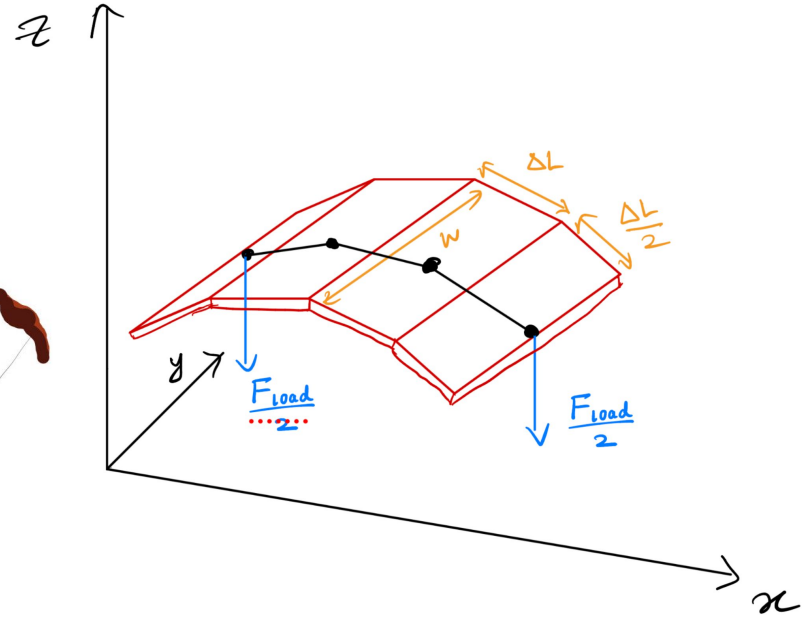


Flexible Structure of Parachutes in Flight



Simulation Implementation Progress: Hydrodynamics

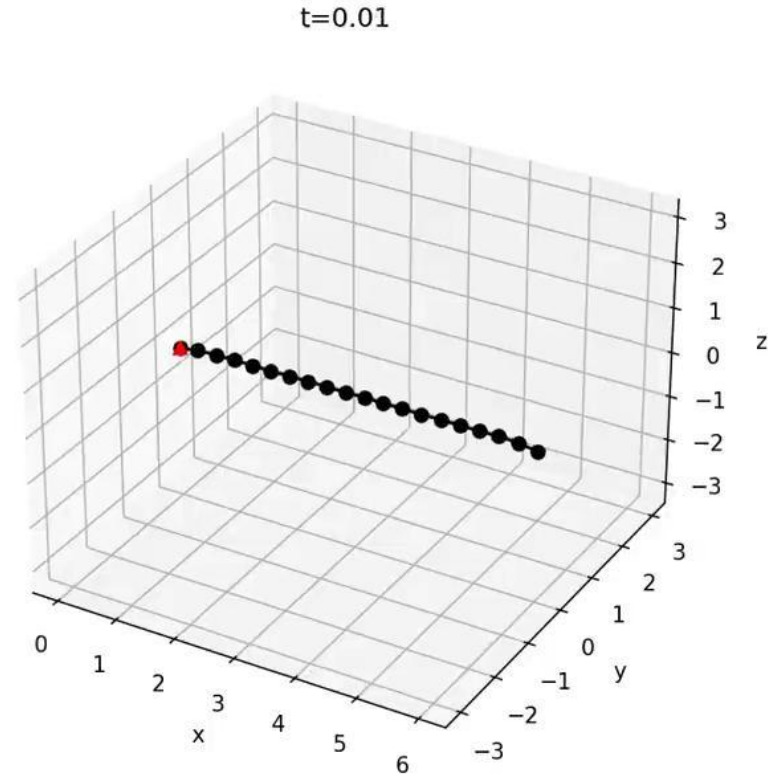
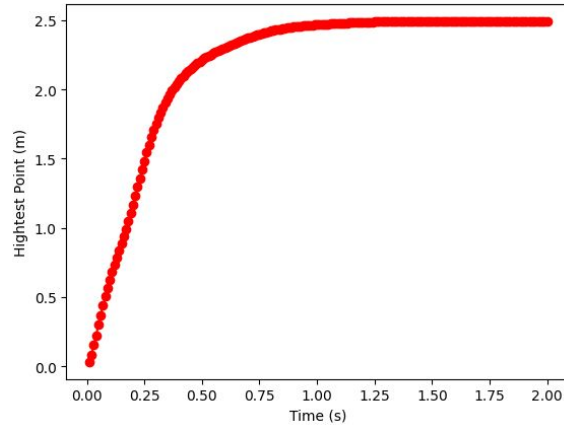
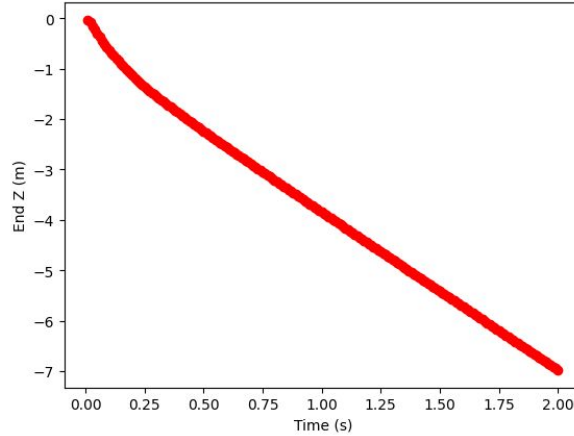
- High Reynolds Number Flow
- $C_D = 1.75$
- Length = 6 m
- Thickness = 0.003 m
- Width = 3 m
- Load applied at ends



Even Load Distribution

Left = 100 N

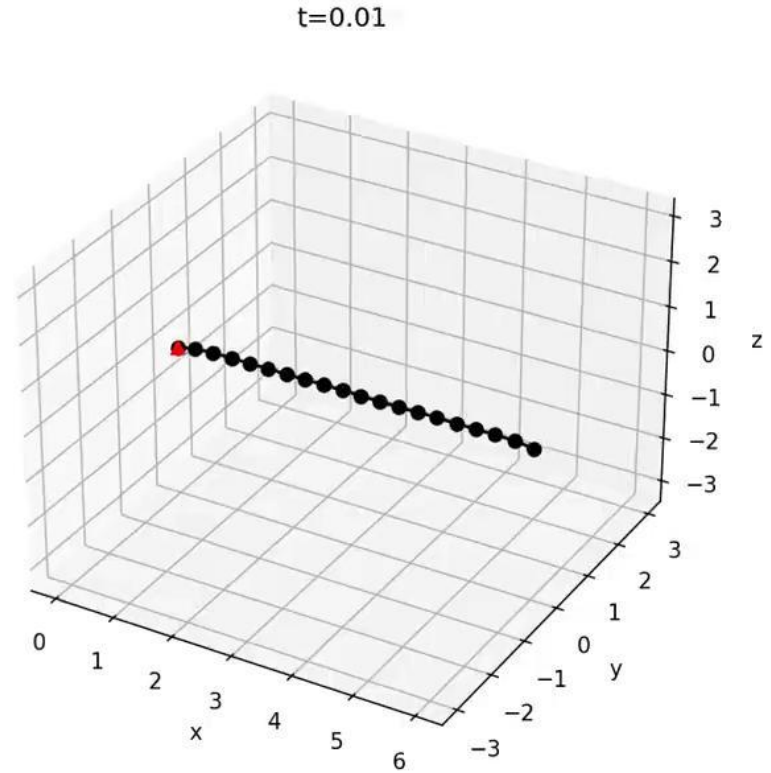
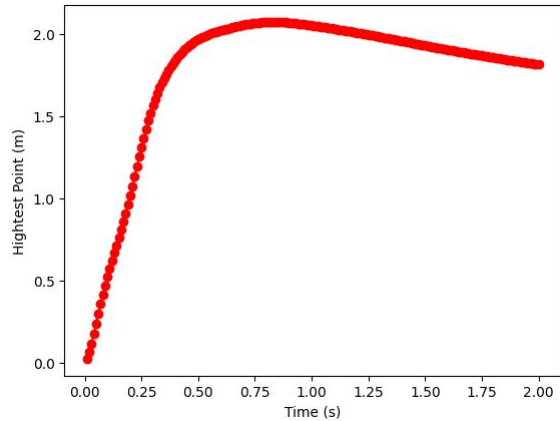
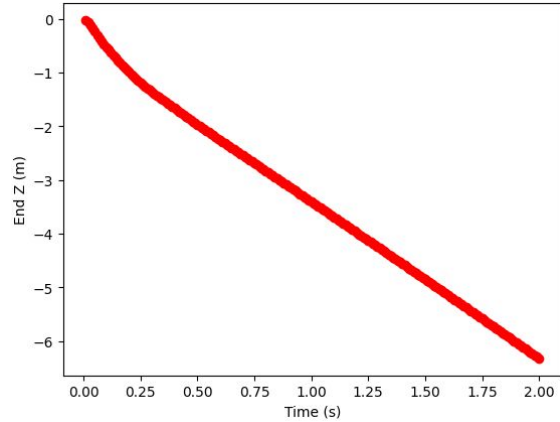
Right = 100 N



Uneven Load Distribution

Left = 125 N

Right = 75 N



Next Steps

1. Include more load points for a better parachute load representation
2. Load and geometry variable sweep
3. Add the parachute strings?
4. Start from more scrunched configuration?

