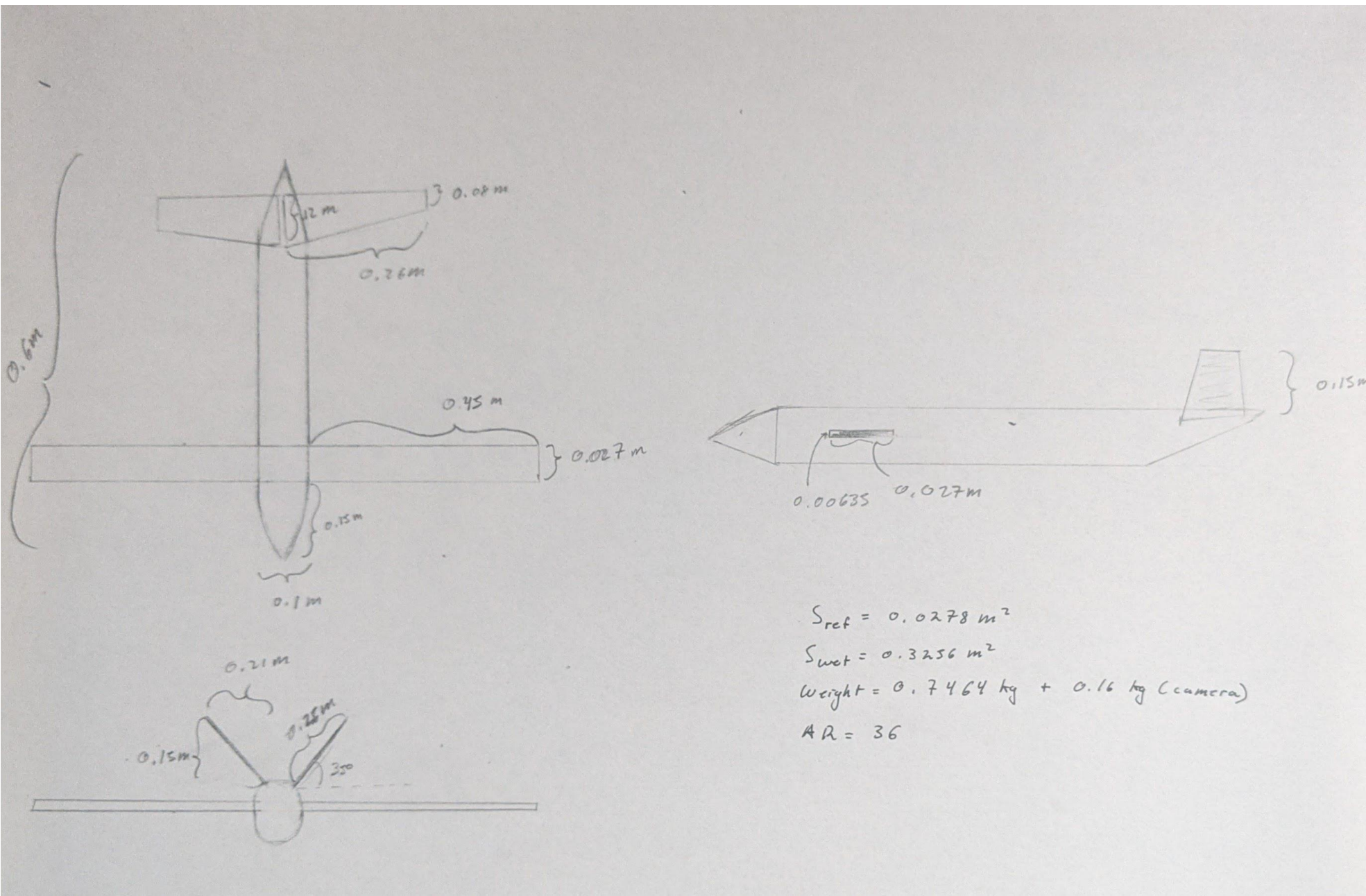
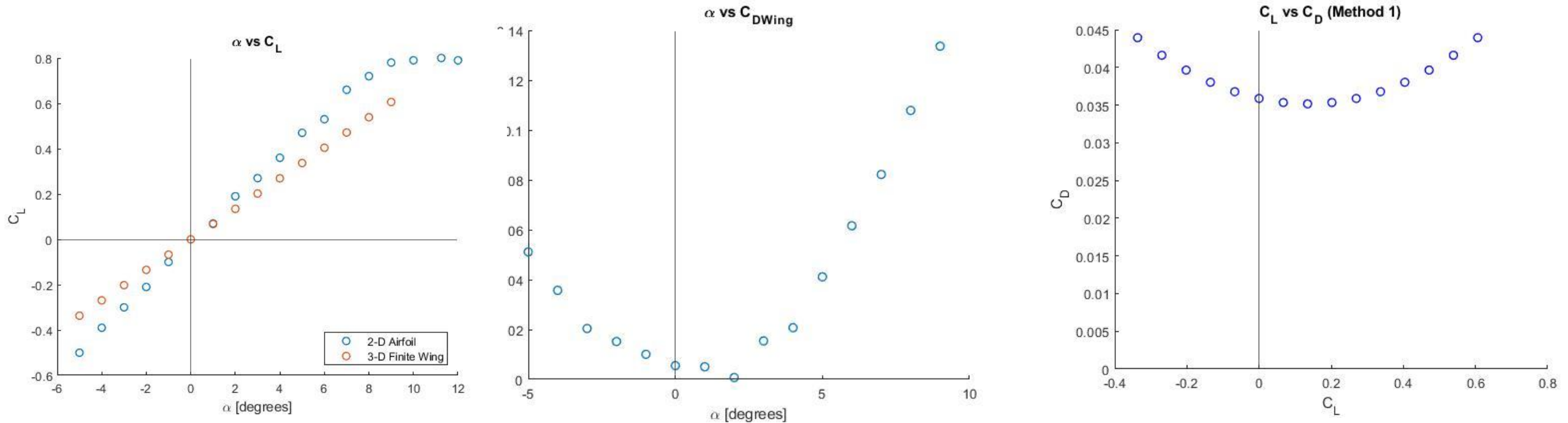


V-Tail Glider Design by Linus Schmitz



Estimated Lift Curve and Aircraft Drag Polar



$e = 1.78 * (1 - 0.045 * AR^{.68}) - 0.64$ used for determining the oswalds efficiency factor

Estimated Performance

System Requirements	Threshold	Objective	Min or Max	Estimate Values
Max Glide Range	70 meters	100 meters	Max	96.57 meters
Max Glide Velocity	12 m/s	7 m/s	Min	10.08 m/s
Max Glide Endurance	7 seconds	10 seconds	Max	9.58 seconds
Maximum Wingspan	1.0 meters	N/A	Max	1.0 meters
Unit Cost	Discriminator	N/A	Min	\$746.40*

* Note the calculations were completed with the weight of the camera but the cost was not