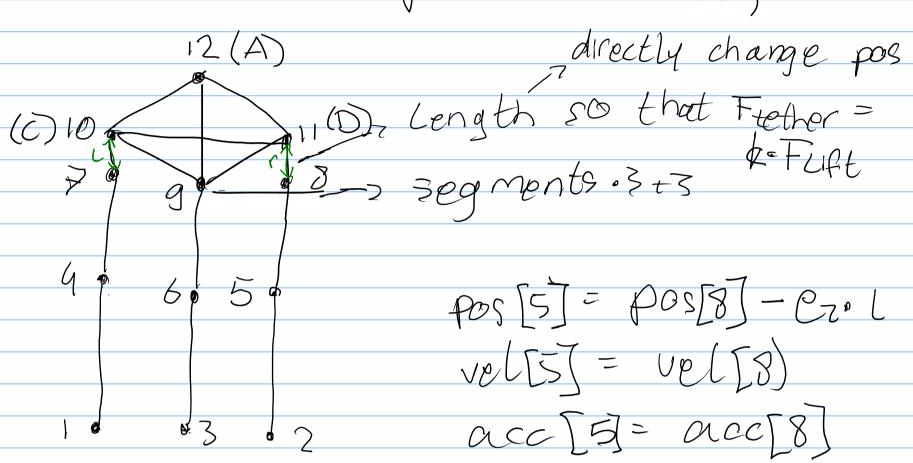
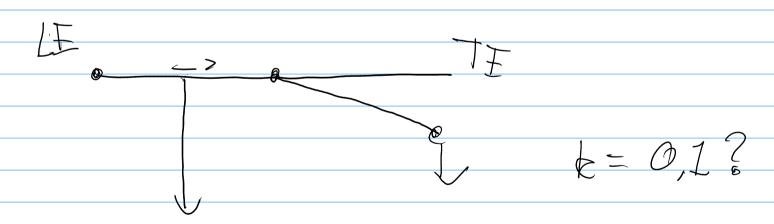
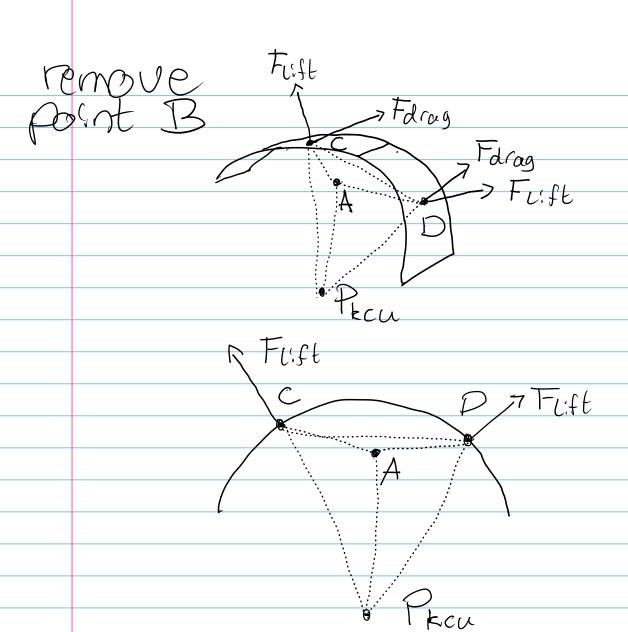
## paints with 2 segments

points: 3. seg +4





TE Porce should be small, k gets broger with higher flap angle?



force on left where is difficult to model

can assume

List is divided

between

power

and steering

Lines

with a

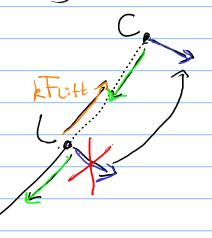
constant

7. 9 E 8

4. 6 5.

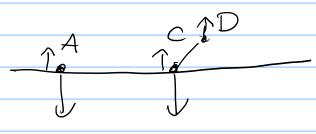
1. June middle line right line

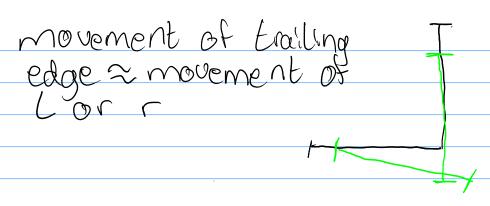
## steering tether connection



improvement: divide Fether over A, C and D







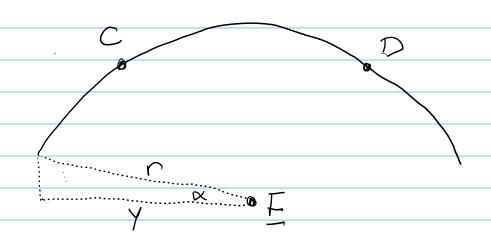
want to have lift dependent of this distance, not angle

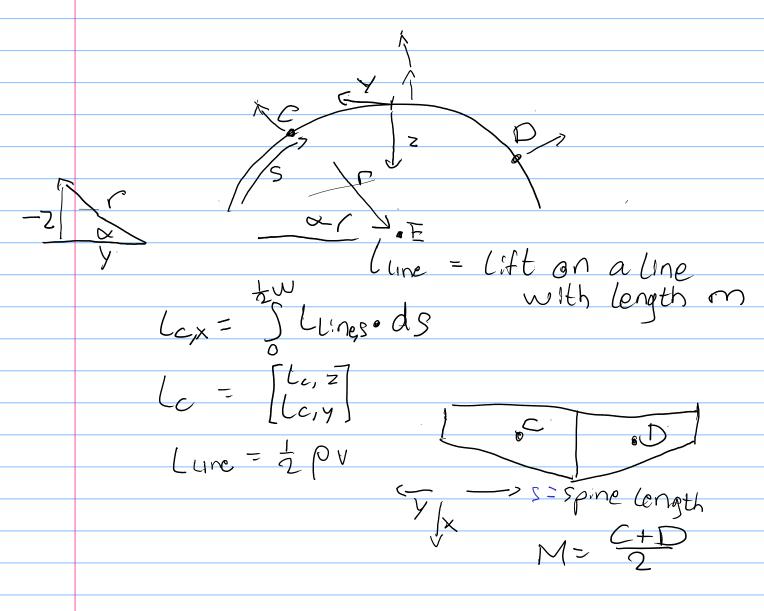
to find drag coefficients:

2 test kite and measure angles

2 manually charge coefficients

until they are right in sim





$$\int_{-\infty}^{\infty} dx = (pi/2 - \alpha_0) In$$

$$L = \sum_{i=0}^{\infty} \frac{dL}{dx} (dx/2 + dx \cdot i + x) \cdot dx$$

$$L_{c} = \int_{\infty}^{2\pi} \frac{dL}{d\alpha} d\alpha$$

$$L = \frac{1}{2} \rho V_{0}^{2} \times r A \quad C_{L}(\infty) \cdot e_{r}$$

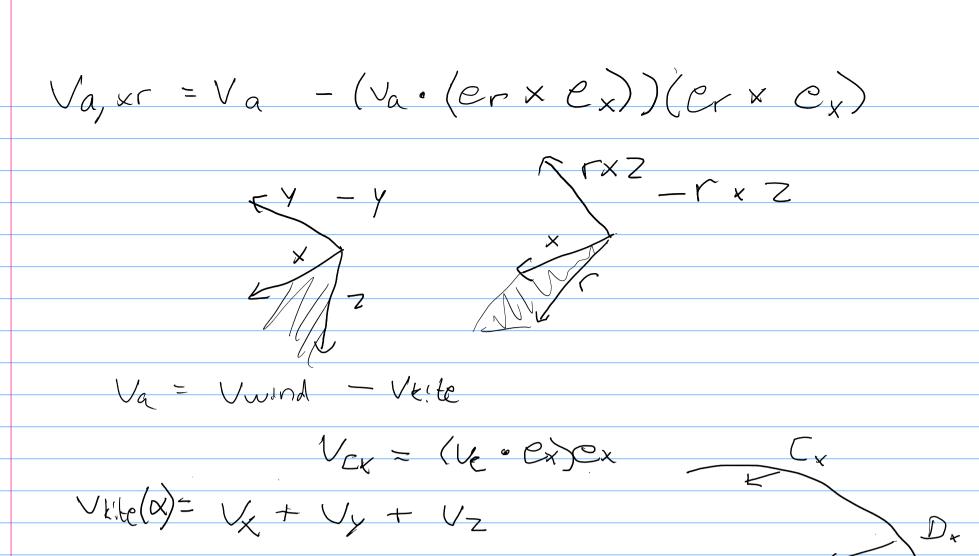
$$e_{r} = \frac{E - F}{h E - c_{1}} \qquad F = E + e_{y} \cos x \quad r$$

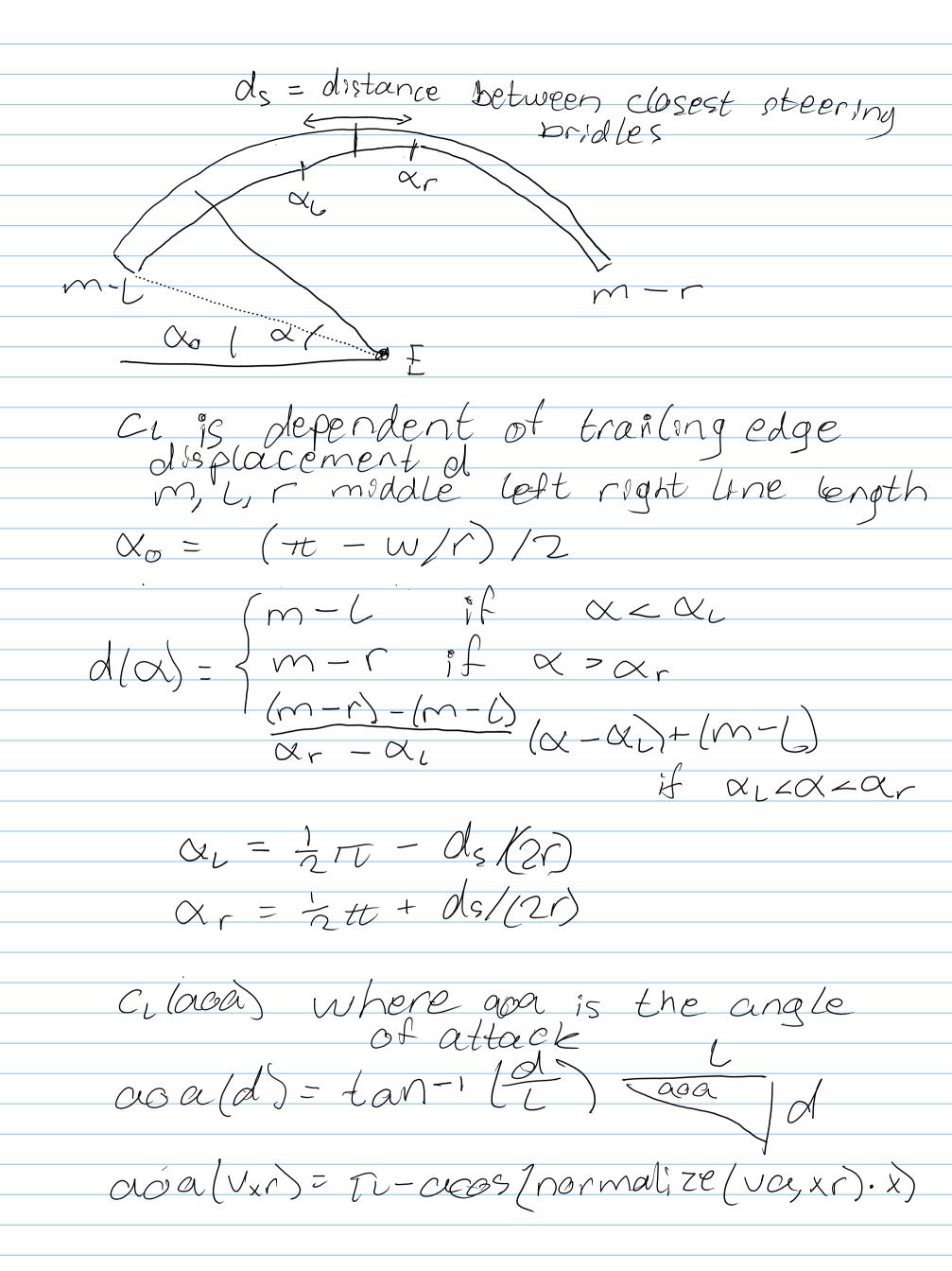
$$-c_{z} \sin \alpha \quad r$$

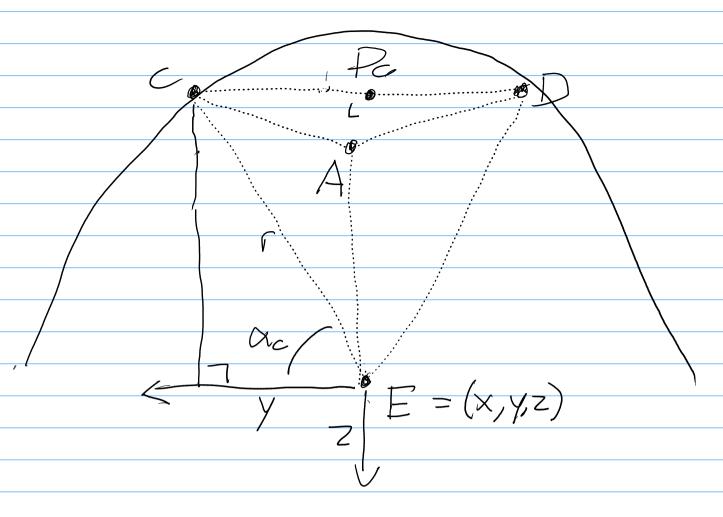
$$V_{0} = V_{wind} - V_{e} \cdot te(\alpha) \qquad F \text{ is any point}$$

$$on \text{ the kite}$$

$$V_{1} \cdot te(\alpha) = V_{0} \cdot v_{e} \quad v_{e$$







A=A (areas areequal)
$$(L(x_0) + L(x_0))(x_0 - x_0) = \frac{1}{2}$$

$$(L(x_0) + \frac{1}{2}T)(\frac{1}{2}TU - x_0)$$

$$X_c = \frac{W(-2t + \sqrt{2m^2 + 2t^2})}{4(m - t)}$$

$$hvig m = t = 7$$

$$X_c = W/u$$

$$X_c = X_0 + X_0 \cdot r$$

A we went 1 - ' tilenath, Cat Zil (cop)

and Eat the same

ma= 1 MkHe mc = In make md = to Mitte me = tether neight

