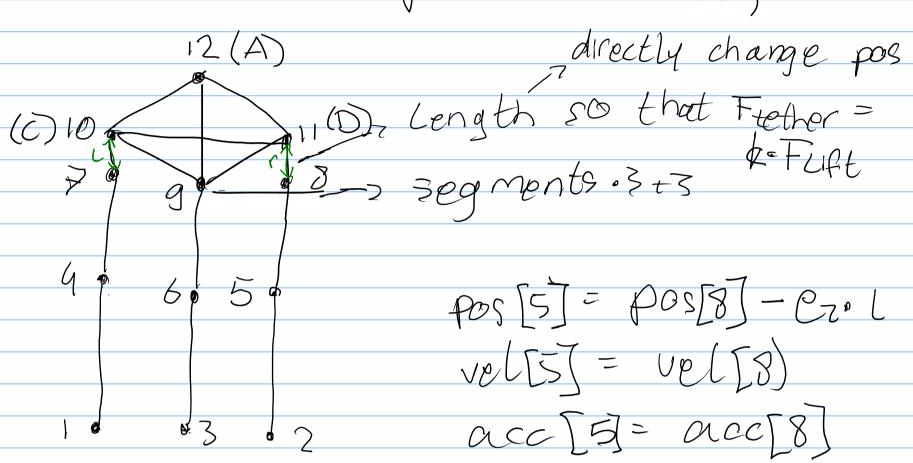
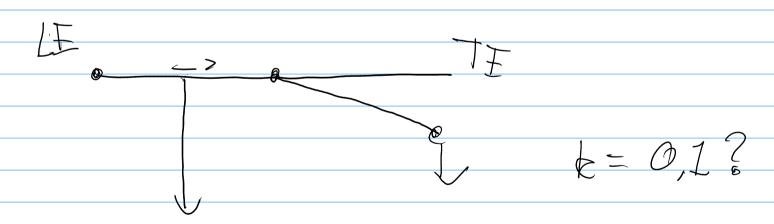
## paints with 2 segments

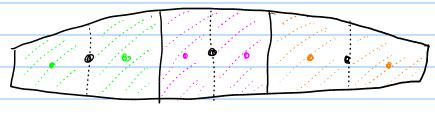
points: 3. seg +4





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

Flift 7 Fdrag Fdrag Fust Flift



- mass force force on mass = Storce

should work as long as the dyhedral is not accounted for?

force on left where is difficult to model

can assume

List is divided

between

power

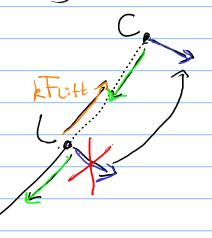
and steering

Lines

with a

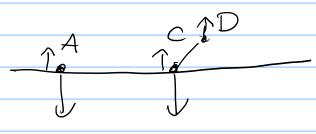
constant

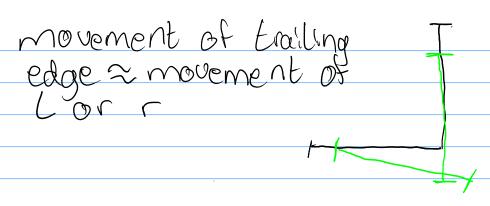
## steering tether connection



improvement: divide Fether over A, C and D







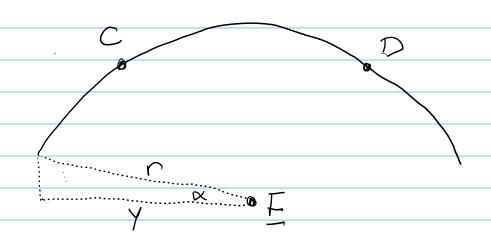
want to have lift dependent of this distance, not angle

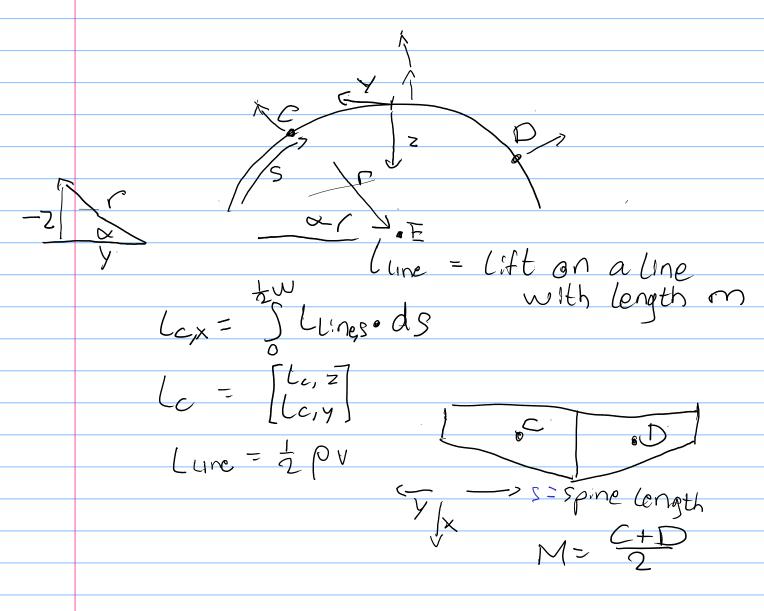
to find drag coefficients:

2 test kite and measure angles

2 manually charge coefficients

until they are right in sim





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

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

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

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

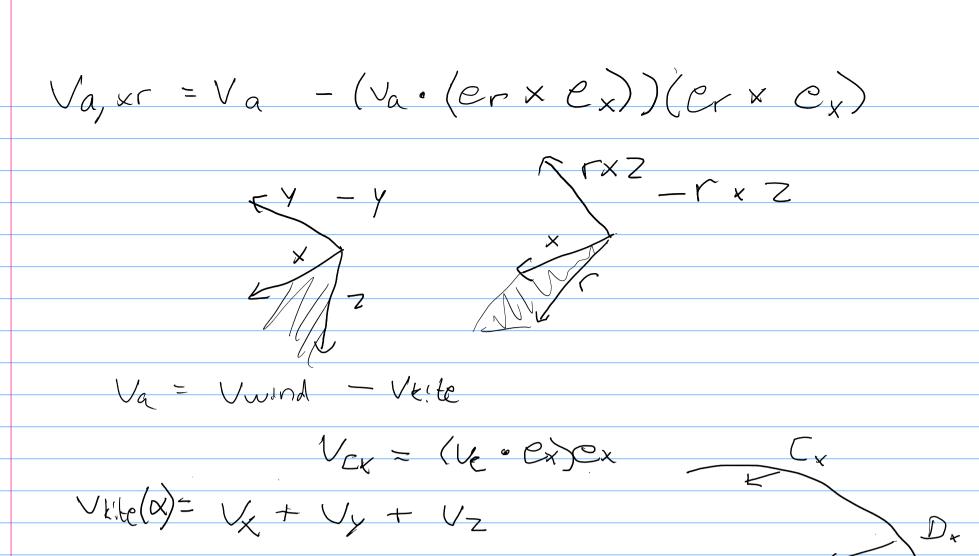
$$e_{r} = \frac{E - F}{h E - c_{1}} \qquad F = E + e_{y} \cos x \quad r$$

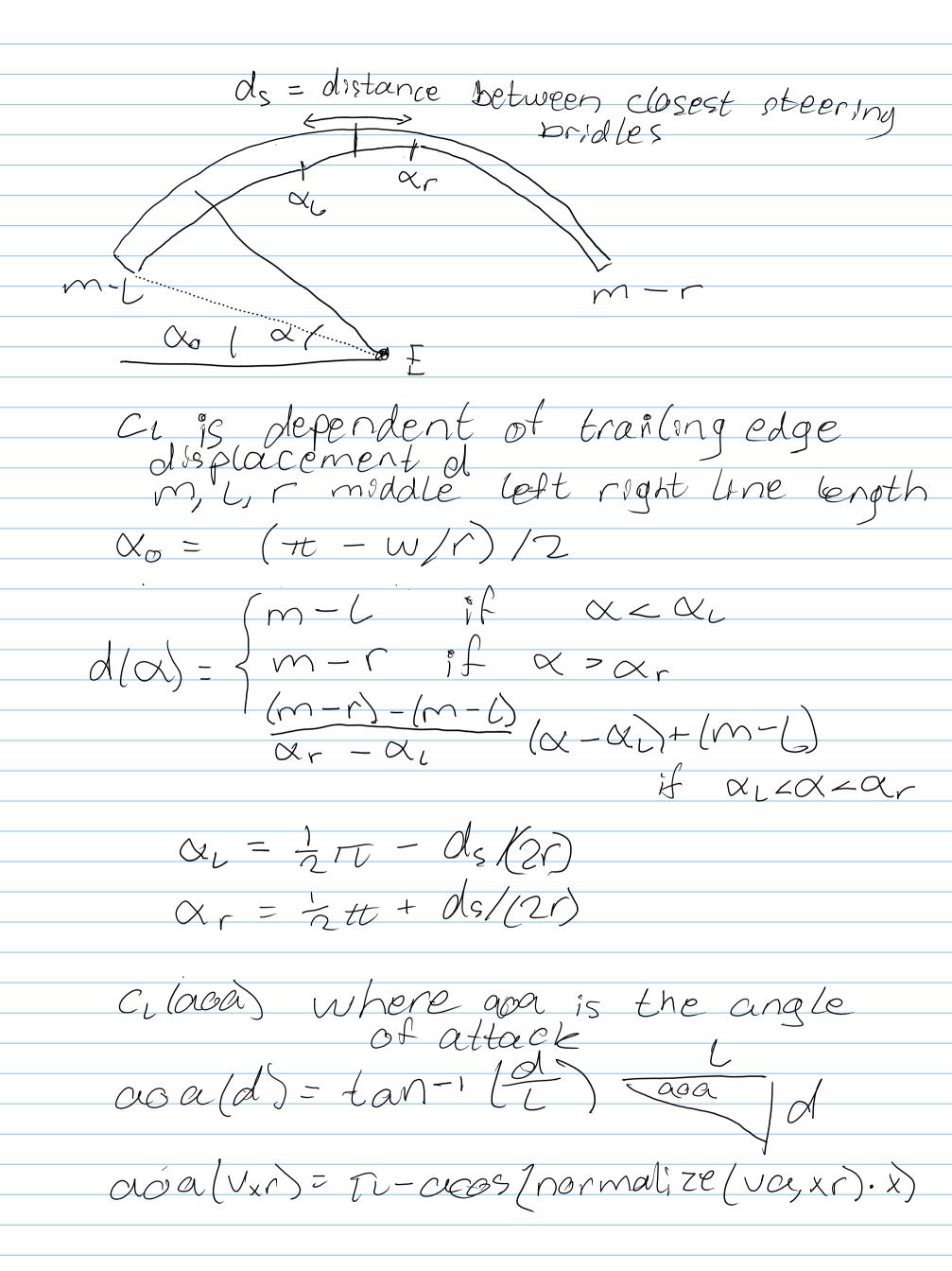
$$-c_{z} \sin \alpha \quad r$$

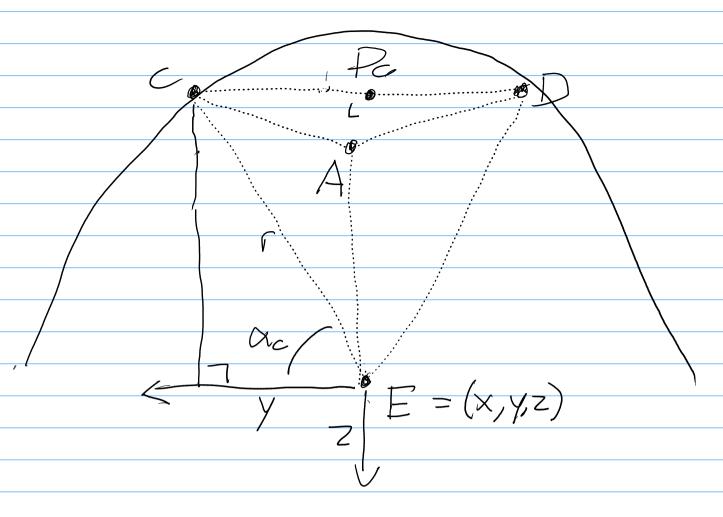
$$V_{0} = V_{wind} - V_{e} \cdot te(\alpha) \qquad F \text{ is any point}$$

$$on \text{ the kite}$$

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







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

