force on left where is difficult to model

can assume

List is divided

between

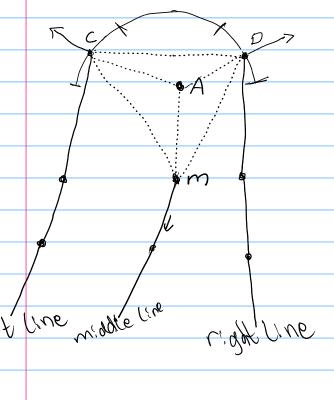
power

and steering

Lines

with a

constant

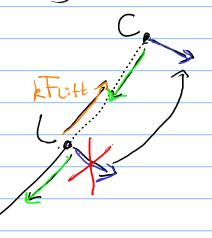


DD' = k.m,m,'

(motor, Left, right)

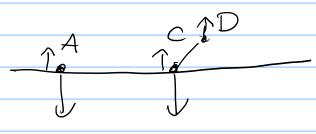
are all on the same
Line of the last m segment
Cand rare connected
to mafter the right
distance is calculated

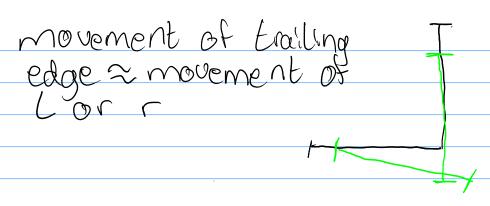
steering tether connection



improvement: divide Fether over A, C and D







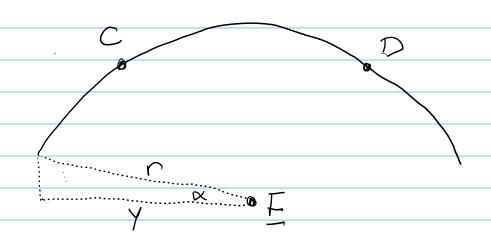
want to have lift dependent of this distance, not angle

to find drag coefficients:

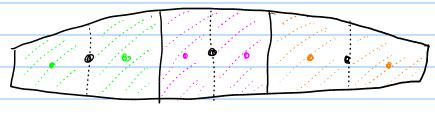
2 test kite and measure angles

2 manually charge coefficients

until they are right in sim

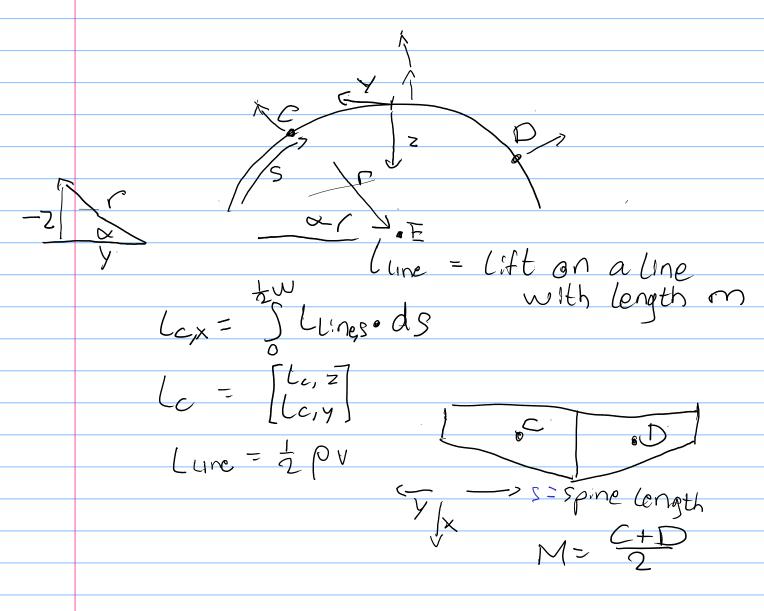


Flift 7 Fdrag Fdrag Fust Flift



- mass force force on mass = Storce

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



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

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

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

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

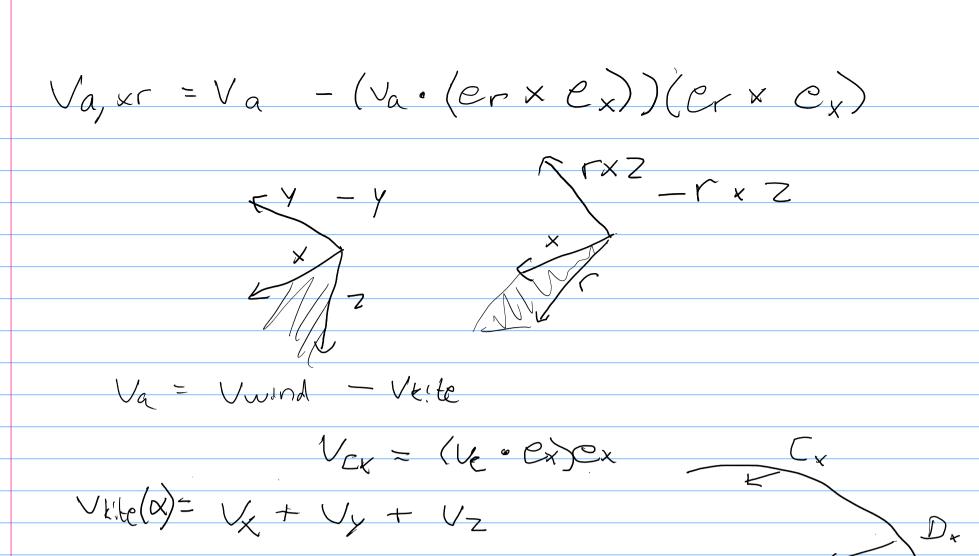
$$e_{r} = \frac{E - F}{h E - c_{1}} \qquad F = E + e_{y} \cos x \quad r$$

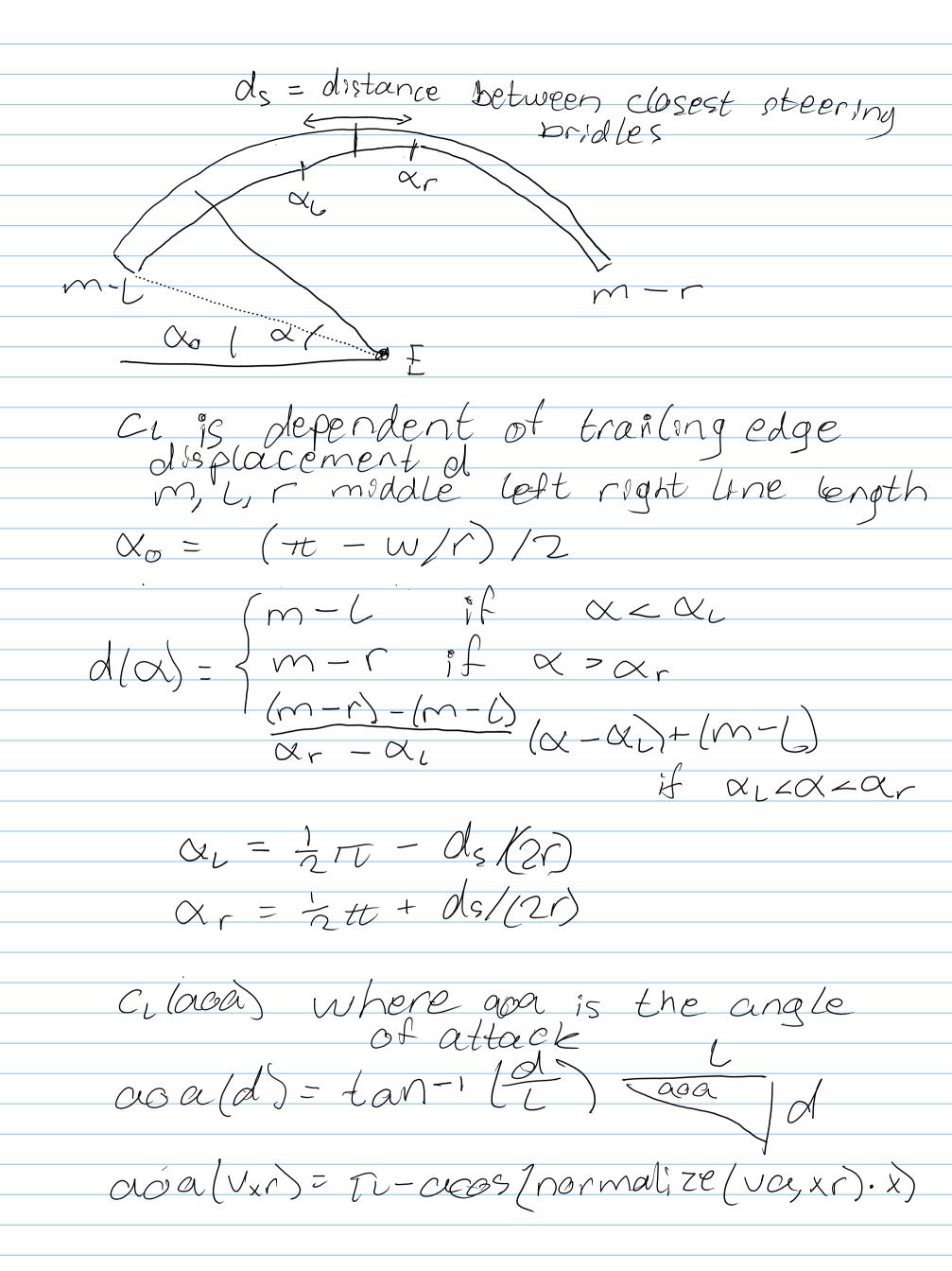
$$-c_{z} \sin \alpha \quad r$$

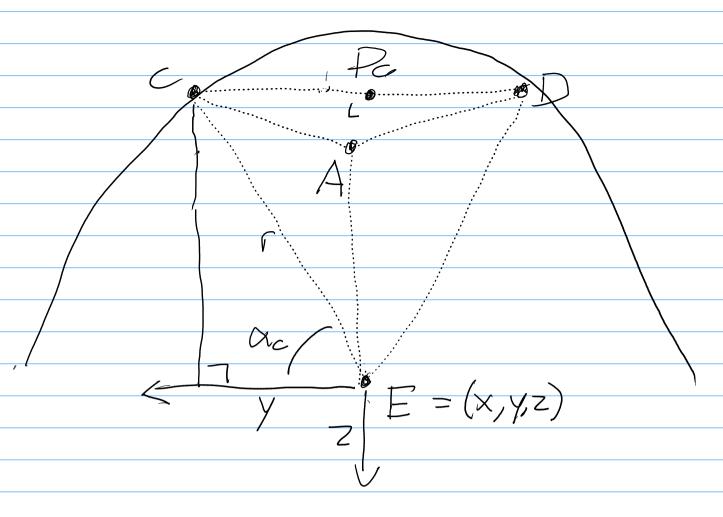
$$V_{0} = V_{wind} - V_{e} \cdot te(\alpha) \qquad F \text{ is any point}$$

$$on \text{ the kite}$$

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







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

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

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

$$hvig m = t = 7$$

$$X_c = W/u$$

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

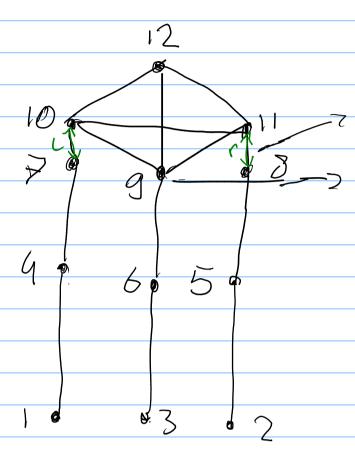
A we went 1 - ' tilenath, Cat Zil (cop)

and Eat the same

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

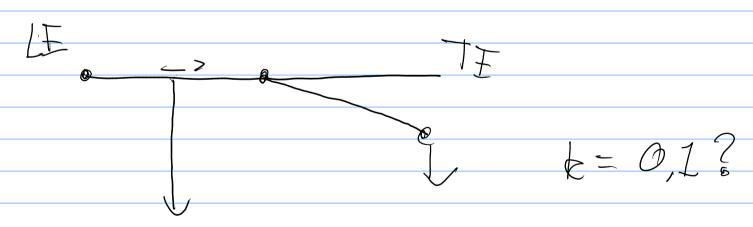
paints with 2 segments

points: 3. seg +4



directly change pos Length so that Frether = \$=Fift \$=g ments . 3 + 3

 $pos[5] = pos[8] - e_{7}$ vel[5] = vel[8] acc[5] = acc[8]



TE force should be small, k gets bigger with higher flap angle?

