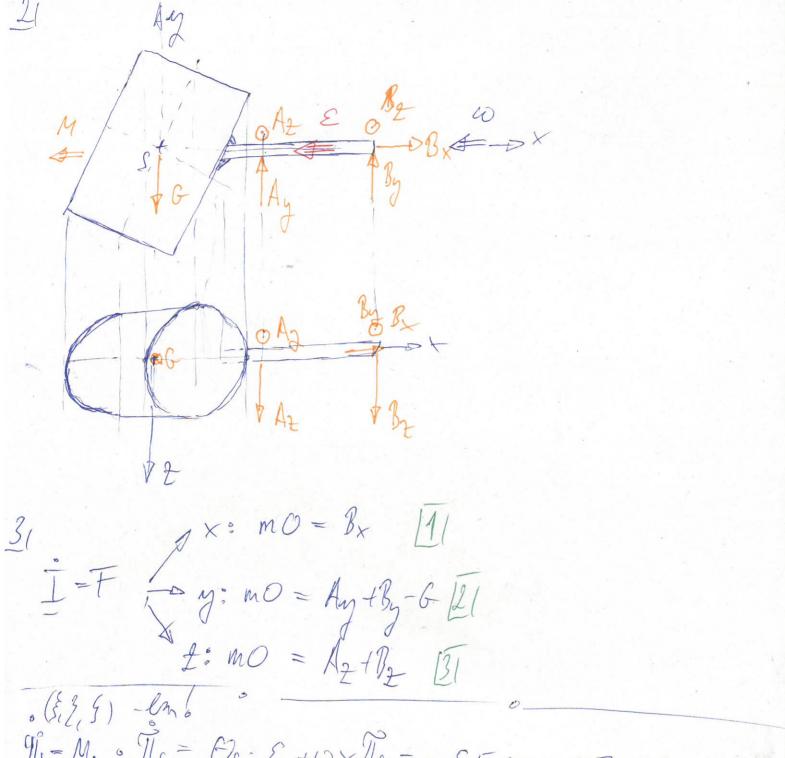
m=4 [kg] (=0.25 [m] 20.1 tm] h=0.3th) w=10[m/s] M=2 [wm] 11 Is parameteres 4=30[0] 9=9. 81 [7/52] 21 127A' 31 DINAMIKA ALAPTÉTEL (X, y, 2) 51 E, A, B numerilus an 6-1-1ml+12mh=0.04/h Q= 2 nl = 0.02 [gm2].  $0] = -\omega \cos \theta = -0.346$   $\sin \theta \theta = -0.1$ 

14/01



$$= \left[-\mathcal{E}\Theta_{1}\omega_{1}\right]$$

$$-\mathcal{E}\Theta_{2}\sin\theta$$

$$\omega^{2}\sin\theta\omega_{1}\theta(\theta_{2}-\theta_{1})$$

$$\pi_{1}^{2}$$

$$\frac{1}{\sqrt{152}} \frac{1}{\sqrt{152}} = \frac{1}{\sqrt{152}} \frac{1}{\sqrt{152}} + \frac{1}{\sqrt{152}} = \frac{1}{\sqrt{152}} \frac{1}{\sqrt{152}} = \frac{1}{\sqrt{152}}$$

15 = M5 1:51 kight (xight) (xight) 2:61 Broseflerel: Ay, A, Bx, B, Bz, E (6do)

21 (2) PLTA TE (x, y, z)

LI DE CX, J, E/ Vo= 0

21 (2) PLTA TE (x, y, z)

LI (2) PLTA TE PALAMETEREDE

SI DINAMINA ALAPTERELE PALAMETEREDEN

$$\frac{1}{2} = \frac{1}{2} = \frac{1}{2} \times \frac{1$$

 $\frac{31}{16} = \Theta_{c} \circ \omega_{2} = mR^{2} + \frac{3}{2} (\omega_{21} - \omega_{no} sh4)$   $\frac{3}{4} \omega_{no} \cos \theta$ 

 $\frac{5}{1} = \frac{1}{1} + \frac{1$ 

 $\widehat{\mathcal{I}}_{c} = M_{c}; \widehat{\mathcal{I}}_{c} = \widehat{\mathcal{D}}_{c}. \underbrace{\mathcal{E}}_{t} \underbrace{\mathcal{E}}_{2} \times \widehat{\mathcal{I}}_{c} = \begin{bmatrix} 0 \\ -\frac{5}{5} m \mathcal{E}_{w_{1}} w_{2} w_{2} \cos 4 \end{bmatrix} + \begin{bmatrix} w_{1} - w_{1} \sin 4 \\ 0 \\ -\frac{5}{5} m \mathcal{E}_{w_{1}} w_{2} \cos 4 \end{bmatrix}$ 

 $\times \left[ \frac{3}{5} m R^2 \left( \omega_{21} - \omega_{10} \sin \theta \right) \right] = \frac{5}{4} m R^2$   $\frac{1}{4} m R^2 \omega_{10} \cos \theta$   $-2 \omega_{10} \omega_{21} \cos \theta + \omega_{10}^2 \sin \theta \cos \theta \right]$ Mc = rcs x G + rca x A + rcax B, G = Iling sinf 7, rate - roll lopes A= TO B= Bx

Ay

Ay

By

By Mc = ( O b/word ( Aq - Bq ) ) - mg R sh ( + b/word ( By - Ay ) ) 0 - /w/ (Az-Bz) 3 ml2 (wp sulcose-2 wn wn cose) = -mg R8hl+ book (Ag A)