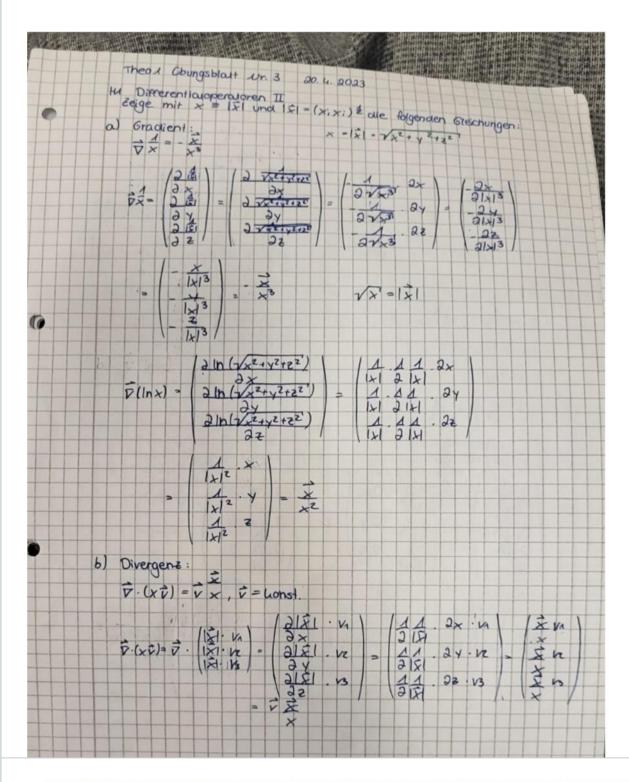
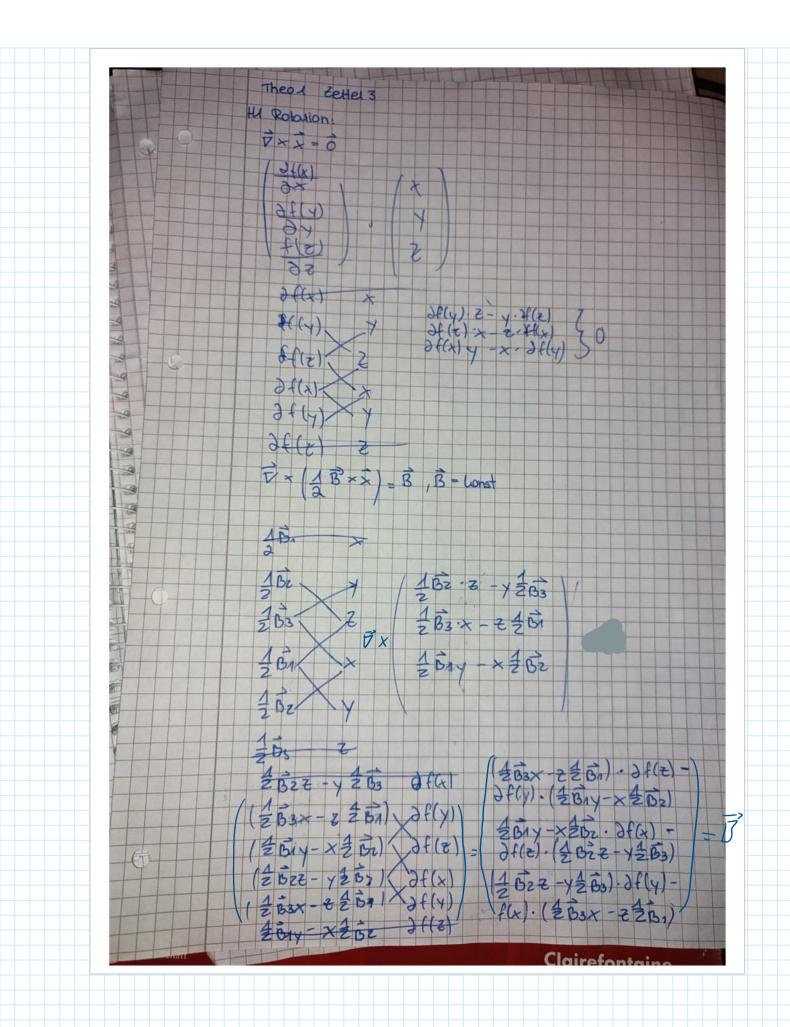
Ha3_Richter-Brade

10:30

Mittwoch, 19. April 2023



= (3+n) xn



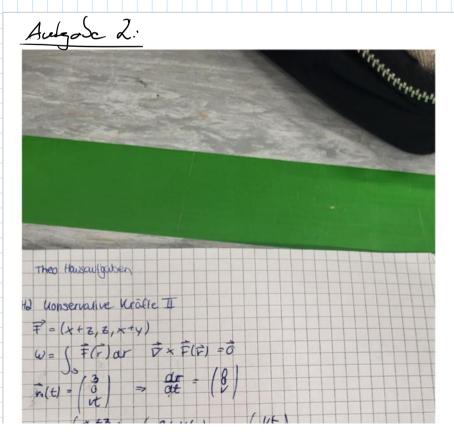
$$\vec{G} = \vec{\nabla} \times (f(x)\vec{x})$$

$$\vec{O} = \begin{pmatrix} \partial_{x_1} f(x)x_1 - \partial_{x_2} f(x)x_2 \\ \partial_{x_3} f(x)x_4 - \partial_{x_4} f(x)x_3 \end{pmatrix}$$

$$\vec{O} = \begin{pmatrix} \partial_{x_1} f(x)x_4 - \partial_{x_2} f(x)x_4 \\ \partial_{x_3} f(x)x_5 - \partial_{x_4} f(x)x_4 \end{pmatrix}$$

$$\vec{O} = \begin{pmatrix} \frac{\partial x}{\partial x} & \frac{\partial x}{\partial x} & x_3 - \frac{\partial x}{\partial x} & \frac{\partial x}{\partial x} & x_2 \end{pmatrix}$$

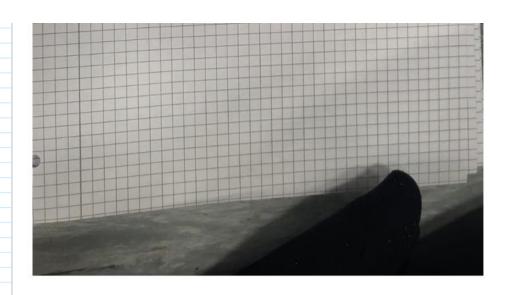
0' = 0'

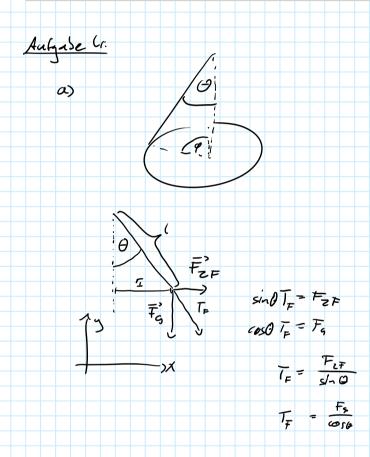


$$\widehat{r}_{1}(t) = \begin{pmatrix} 3 \\ vt \end{pmatrix} \Rightarrow \underbrace{dt} = \begin{pmatrix} 8 \\ vt \end{pmatrix}$$

$$\widehat{r}_{2}(t) = \begin{pmatrix} 1 \\ vt \end{pmatrix} = \begin{pmatrix} 1 \\$$

Augase 3: Theo! Obungs Watt 3 f(t) = 1 - 2t F(t) = 2 5 Asin(nut) Die Periode der Function beträgt of. Die Function ist ganzwertig und 110 = 0 00 = 2 5 11-7 ott = 2 [16 = +2] = 0 an $\frac{2}{\sigma}$ $\int_{-\frac{\pi}{2}}^{\frac{\pi}{2}} \sin(n\omega t) \cdot f(t) df$ $\omega = \frac{2\pi}{7}$ $\omega = \frac{2\pi$ f(0)=0 bn = 0 weil (> P(t) - 21 bn sin (newt) + br (n sin cut) =32 hom(hout)





$$\frac{F_{2}}{\sin \theta} = \frac{F_{5}}{\cos \theta}$$

$$\frac{m_{7}\omega^{2}}{\sin \theta} = \frac{g}{\cos \theta}$$

$$\frac{g}{\cos \theta}$$

$$\frac{g}{\cos \theta}$$

Autypate F.

a)

$$\theta$$
-to

 $D = F, \gamma = I$ is

 $F = -g$, $\gamma = \sin \theta c$, $i = \partial$, $F = -u(i)$
 $i = -\frac{1}{2}\sin \theta = 0$
 $i = \frac{1}{2}\sin \theta = 0$
 $i = \frac{1}{2}\cos \theta = 0$

Das Ergesnis istantich an den aus Antgese 4.6, inden die Eigenbrequenz genanso von 13 allaigt. Bei de Schninger in A. 4.6 ist noch die Frequenz von der Anstanting G attangig, da die Tentripetalhatt also die Winkdgehmindigheit Licher sein nuss, um eine stärber wirhende Gravitation halt auszuglade.