

Traficolligsoid wern k= MRm
2 milleur Radino
quad. Sleiduz, webbe mit R2 I = k = const.

P Elligsoider danstellt

Fine num Villar

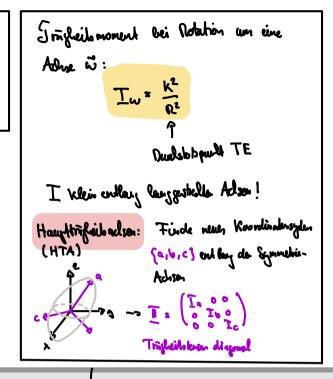
Tine num Villar

Tine aim ni : x = R cora

g \* R cor

g \* R

= co<sup>2</sup> x w<sup>2</sup> Ixx + co<sup>2</sup> h w<sup>2</sup> Igg + co<sup>2</sup> y Izz + 2 cooq coop w<sup>2</sup> Ixg + 2 cooq coop w<sup>2</sup> Iyz



## Vorlesung 22

$$E_{10} = \frac{1}{2} (\omega_{1}^{2} I_{0} + \omega_{0}^{2} I_{0} + \omega_{0}^{2} I_{0})$$

$$= \frac{L_{1}^{2}}{2I_{1}} + \frac{L_{0}^{2}}{2I_{0}} + \frac{L_{0}^{2}}{2I_{0}}$$

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Konvention: Ta & Ib & Ie

Eulende Reideren:

Lalorseplen: 
$$\frac{d\vec{L}}{dt} = \vec{0}$$

Um HAS:  $\frac{d\vec{L}}{dt} = \frac{d\vec{L}}{dt} - (\vec{\omega} \times \vec{L})$ 
 $\vec{L}_2 \vec{0} = \frac{d\vec{L}}{dt} + (\vec{\omega} \times \vec{L})$ 
 $\vec{0}_4 = \vec{1}_4 \frac{d\omega_4}{dt} + (\vec{1}_5 - \vec{1}_5) \omega_6 \omega_5$ 
 $\vec{0}_6 = \vec{1}_5 \frac{d\omega_9}{dt} + (\vec{1}_9 - \vec{1}_5) \omega_9 \omega_9$ 
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2, 15. Krifte freier symm. Kilisal

Ta = To + Te & 0 = 0

O = Wa + Lwb
O = Wb - Rug
O = Wc

Lasey: Wa = A and RH
Wb = A sic RH