

Morent cuite M3 organdren gen cobaen emite Tamelow, nempetersion brug. You way her u & I mierau palen X= 90°-4= Ti-4. M3 = Fram · E2 · Sin y = Frame l2 Sin(TI-4) = Fram l2 Sin 4. , FTOLK 7. Onlegenun befurund Fram = mg Fynps = ks Δ, = ks · ( \ (l, -l, cos φ)2+(n, +x-l, sin φ)2 -ns) Fymp2 = k2 D2 = k2. (-\((n2 + l2 sin \(\varphi\))^2 + (l2 - l2 cos \(\varphi\))^2 - n2)  $F_1 = F_{ynp1} \sin \psi = k_1 \left( \sqrt{\ell_1 - \ell_2 \cos \varphi} \right)^2 + (h_1 + x + \ell_2 \sin \varphi)^2 - h_1 \right) \times h_1 \times - \ell_2 \sin \varphi$ + hitx-lisin p V(l,-l,cos φ)2+(h,+x-l,sinφ)2 + a maneral con:  $M_{s} = F_{ynps} \cdot \sin_{x} ABC \cdot l_{s} = l_{s}k_{s} \left( \sqrt{(l_{s} - l_{s} \cos \varphi)^{2} + (h_{s} + x - l_{s} \sin \varphi)^{2} - n_{s}} \right) x$   $+ \frac{(n_{s} + x) \cos \varphi - l_{s} \sin \varphi}{(n_{s} + x) \cos \varphi} = l_{s}k_{s} \left( \sqrt{(l_{s} - l_{s} \cos \varphi)^{2} + (h_{s} + x - l_{s} \sin \varphi)^{2} - n_{s}} \right) x$ V(l,-l,cosq)2+(h,+x-l,sing)2 M2 = Fynp2 · sine FEH. l2 = l, k2 (Vh2+l, siny)2+(l2-l, cos4)2-h2)x Va2+ l2 sin 4)2+ (l2-l2 cos 4)2 M3 = mgl2 sing 8. 3 annueu jargeleperinarprise ypabrierina  $\frac{d^2 \ell}{d \ell^2} = \underbrace{M_1 + M_2 + M_3}_{T}$ 

