

Shank segment: FXZ 172 X W = 11 cos 81 = 11 co1 $\dot{x}_{CM}^{(G)} = -\tau_{1} s \theta_{1} \dot{\theta}_{1}$ $\dot{x}_{CM}^{(G)} = -\tau_{1} \left(s \theta_{1} \cdot \dot{\theta}_{1}^{2} + c \theta_{1} \dot{\theta}_{1}^{2} \right)$ $\lambda_{CU}^{(2)} = \lambda^{1}(C\theta^{1}, \theta^{1} - 2\theta^{1}, \theta^{1})$ $\lambda_{CU}^{(2)} = \lambda^{1}(C\theta^{1}, \theta^{1} - 2\theta^{1}, \theta^{1})$ $\sum_{i} F_{i} = M_{i} \sigma^{x} = M_{i} \chi^{(x)}_{i}$ $\Rightarrow F_{\alpha_1} - F_{\alpha_2} = -M_1 T_1 \left(s \theta_1, \dot{\theta}_1 + C \theta_1, \dot{\theta}_1^2 \right)$ $F_{\alpha_{\lambda}} = F_{\alpha_{\lambda}} + M_{1}(S\theta_{1}.\ddot{\theta}_{1} + C\theta_{1}.\dot{\theta}_{1}^{2})$ $F_{x_2} = F_{gx} + \eta_{x_1} \left(s\theta_1, \dot{\theta}_1 + c\theta_1, \dot{\theta}_2^2 \right) \rightarrow G$ (:: Ex= E8x)

$$\begin{aligned}
& \mathcal{E} \, \mathcal{E}_{3} = M_{1} \, \mathcal{Q}_{31} = M_{1} \, \mathcal{Y}_{cm}^{(1)} \\
& \Rightarrow F_{31} - F_{32} - M_{1} \, \mathcal{Q}_{2} = M_{1} \, \mathcal{Y}_{cm}^{(1)} \\
& \Rightarrow F_{32} = F_{31} - M_{1} \, \mathcal{Q}_{2} - M_{1} \, \mathcal{Y}_{cm}^{(1)} \\
& \Rightarrow F_{32} = F_{31} - M_{1} \, \mathcal{Q}_{2} - M_{1} \, \mathcal{Y}_{cm}^{(1)} \\
& \Rightarrow F_{32} = F_{32} - M_{1} \, \mathcal{Q}_{2} - M_{1} \, \mathcal{Y}_{cm}^{(1)} \\
& \Rightarrow F_{31} - F_{31} + F_{31} \, \mathcal{Y}_{2} \, \mathcal{Q}_{1} - F_{31} \, \mathcal{Y}_{1} \, \mathcal{Q}_{1} + F_{32} \, \mathcal{Q}_{2} - F_{32} \, \mathcal{Q}_{1} \, \mathcal{Q}_{1} - \mathcal{Q}_{1} \\
& \Rightarrow F_{31} - F_{31} + F_{31} \, \mathcal{Y}_{2} \, \mathcal{Q}_{1} - F_{31} \, \mathcal{Q}_{1} + F_{32} \, \mathcal{Q}_{2} - F_{32} \, \mathcal{Q}_{1} \, \mathcal{Q}_{1} - \mathcal{Q}_{1} \\
& \Rightarrow F_{31} - F_{31} + F_{31} \, \mathcal{Q}_{1} - F_{31} \, \mathcal{Q}_{1} + F_{32} \, \mathcal{Q}_{2} - F_{32} \, \mathcal{Q}_{1} \, \mathcal{Q}_{1} - \mathcal{Q}_{1} \, \mathcal{Q}_{1} \\
& \Rightarrow F_{31} - F_{31} + F_{31} \, \mathcal{Q}_{1} - F_{31} \, \mathcal{Q}_{1} + F_{32} \, \mathcal{Q}_{2} - F_{31} \, \mathcal{Q}_{1} + F_{32} \, \mathcal{Q}_{2} - F_{32} \, \mathcal{Q}_{1} \, \mathcal{Q}_{1} \\
& \Rightarrow F_{31} - F_{31} + F_{31} \, \mathcal{Q}_{1} + F_{31} \, \mathcal{Q}_{1} + F_{32} \, \mathcal{Q}_{1} - F_{32} \, \mathcal{Q}_{1} \, \mathcal{Q}_{1} \\
& \Rightarrow F_{31} - F_{31} + F_{31} \, \mathcal{Q}_{1} - F_{31} \, \mathcal{Q}_{1} + F_{32} \, \mathcal{Q}_{1} - F_{32} \, \mathcal{Q}_{1} \, \mathcal{Q}_{1} \\
& \Rightarrow F_{31} - F_{31} + F_{31} \, \mathcal{Q}_{1} + F_{31} \, \mathcal{Q}_{1} + F_{31} \, \mathcal{Q}_{1} + F_{31} \, \mathcal{Q}_{1} \\
& \Rightarrow F_{31} - F_{31} + F_{31} \, \mathcal{Q}_{1} + F_{31} \, \mathcal{Q}_{1} + F_{31} \, \mathcal{Q}_{1} + F_{31} \, \mathcal{Q}_{1} \\
& \Rightarrow F_{31} - F_{31} \, \mathcal{Q}_{1} + F_{31} \, \mathcal{Q}_{1} + F_{31} \, \mathcal{Q}_{1} + F_{31} \, \mathcal{Q}_{1} \\
& \Rightarrow F_{31} - F_{31} \, \mathcal{Q}_{1} + F_{31} \, \mathcal{Q}_{1} + F_{31} \, \mathcal{Q}_{1} \\
& \Rightarrow F_{31} - F_{31} \, \mathcal{Q}_{1} + F_{31} \, \mathcal{Q}_{1} + F_{31} \, \mathcal{Q}_{1} \\
& \Rightarrow F_{31} - F_{31} \, \mathcal{Q}_{1} + F_{31} \, \mathcal{Q}_{1} + F_{31} \, \mathcal{Q}_{1} \\
& \Rightarrow F_{31} - F_{31} \, \mathcal{Q}_{1} + F_{31} \, \mathcal{Q}_{1} \\
& \Rightarrow F_{31} - F_{31} \, \mathcal{Q}_{1} + F_{31} \, \mathcal{Q}_{1} \\
& \Rightarrow F_{31} - F_{31} \, \mathcal{Q}_{1} + \mathcal{Q}_{1} \\
& \Rightarrow F_{31} - F_{31} \, \mathcal{Q}_{1} + F_{31} \, \mathcal{Q}_{1} \\
& \Rightarrow F_{31} - F_{31} \, \mathcal{Q}_{1} + F_{31} \, \mathcal{Q}_{1} \\
& \Rightarrow F_{31} - F_{31} \, \mathcal{Q}_{1} + F_{31} \, \mathcal{Q}_{1} \\
& \Rightarrow F_{31} - F_{31} \, \mathcal{Q}_{1} + F_{31} \, \mathcal{Q}_{1} \\
& \Rightarrow F_{31} - F_{31} \, \mathcal{Q}_{1} + \mathcal$$

$$\frac{1}{2} \int_{0}^{1} \frac{1}{2} \int$$

(From eg ? (1)

$$\begin{split} & \sum_{\{S_3 = M_1, Q_3 = M_1, Y_1(S) = Q_1, Q_2, Y_1, Q_2, Y_1, Q_2, Q_2, Y_1, Q_2,$$

Combining similar terms, we get, T3 = Fgx (h+r, so, +d, so, +r, so, +d, so,) fgy (a+1,co,+0,co,+1,co,+0,co) + [((0,0,-s0,0))(4,14(0,+4,1,1,16)+4,1,14,16) + ML d2CO2 + COLONIA)] (I) + I20) + M18 (dco + 1002 + d2002) +