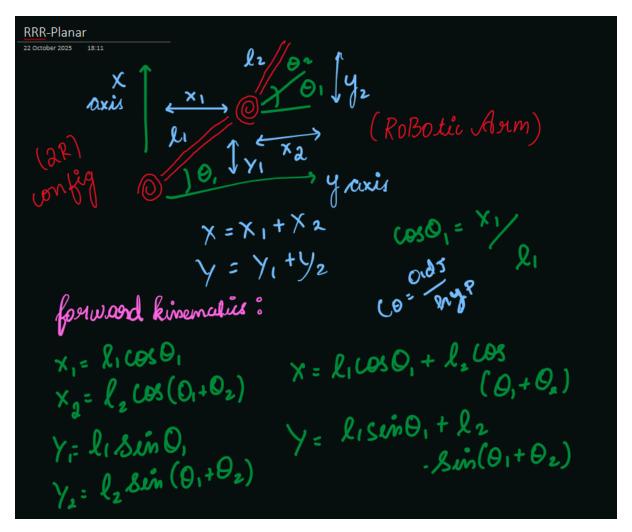
RRR-Derivation:



$$x^{2},y^{2} = (l_{2}\sin\theta_{2})^{2} + (l_{1} + l_{2}\cos\theta_{2})^{2}$$

$$x^{2}+y^{2} = l_{1}^{2}\sin^{2}\theta_{2} + l_{1}^{2} + l_{2}^{2}\cos\theta_{2} + l_{1}^{2}\cos\theta_{2}^{2}$$

$$x^{2}+y^{2} = l_{2}^{2}(1 + l_{1}^{2} + l_{1}l_{2}\cos\theta_{2}^{2})$$

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$$\theta_{2} = \left[\frac{x^{2}+y^{2}-l_{1}^{2}-l_{2}^{2}}{2l_{2}l_{1}} \right] \cos^{-1}$$

$$2l_{2}l_{1}$$

$$\theta_{1} = \int_{0}^{2} e^{ix^{2}} dx dx dx$$

$$\int_{0}^{2} e^{-ix^{2}} dx dx dx dx$$

$$\int_{0}^{2} e^{-ix^{2}} dx dx dx dx dx$$

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in case of
$$3R: (0=20)$$

(x2,192)

 $101+02$

x total

80 y-l3 ben $\phi = \frac{1}{2}$ $\chi = l_3 cos \phi = \chi_2$ $\chi = l_3 cos \phi = \chi_2$ after χ_2 , χ_2 its similar $\int_{a}^{a} \chi_1 \chi_2$ in as at configuration (χ_2, χ_2) for 3R we give (χ_1, χ_2, ϕ) and $get(T_1, T_2, T_3)$

Making angles absolute: MT, - its absorbet angle MT2 -> its 90+t,+t2 101+02 but Motor is alreadyin 90 80 :t, 90+0,+02 M 73 -> its recateire to t2 193 => 90 + T3