Combined Loop Eq.'s

Friday, March 31, 2017

Accelerations: Unknowns: lac", xy, xs, Rx"

(1)
$$l_{AC}$$
 [cos $\theta \neq J + \propto \psi$ [lac(-sin $\theta \neq J$)] + $\propto s$ [o] + R_{X} "[+1] =
$$-l_{A0A} W_{2}^{2} (-cos\theta_{2}) + l_{AC} w_{4} (sin \theta \neq J) + l_{AC} w_{4} (sin \theta \neq J)$$

$$-l_{A0A} w_{2}^{2} (-cos\theta_{2}) + l_{AC} w_{4} (sin \theta \neq J)$$

(2)
$$l_{AC}$$
 "[Sin θu] + αu [l_{AC} cos θu] + αs [o] + R_x "[o] =
$$-l_{AoA} w_z^2(-\sin \theta_z) - L_{AC} w_u(\cos \theta_u) - L_{AC} w_u(\cos \theta_u) - L_{AC} w_u^2(-\sin \theta_u)$$

$$-2l_{AC} w_u(\cos \theta_u)$$

Position, Velocity, & Aculeration's of C.O.M's

Point A
$$r_A = \begin{cases} r_{Ax} : \overline{A_0 A} \cos \theta_2 \\ r_{Ay} : \overline{A_0 A} \sin \theta_2 \end{cases}$$

ELEMENT 2: