



COMMENTS

Given: $\alpha \geq 0$ $\theta_B > 0$

Constrain: $\alpha_{LLM} = -0.2mr$

basic equations to derive Y1 position:

$$Y_{DCM} + R \sin(2\alpha) = (-Y_1) \cos(\theta_B - 2\alpha)$$

$$R \cos(2\alpha) = (-Y_1) \sin(\theta_B - 2\alpha) + (Z_{DCM} - Z_{M1})$$

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