Vector - Model

5 Variables

$\varphi_B, S_{C1}, S_{C2}, \varepsilon\varphi_3, \varphi_T$

$|\vec{A_1}| = const$ $|\vec{A_2}| = const$ $|\vec{A_3}| = const$ $|\vec{A_T}| = const$

$$\vec{A_B}(\varphi_B = 0) = \vec{A_{B0}} \; ; \Rightarrow \vec{A_B}(\varphi_B) = R_z(\varphi_B) \cdot \vec{A_{B0}}$$

$$\vec{A_1}(\varphi_B)$$

Tool-Areas, variable

Vectors - table

ξ

$x, y, z, \frac{w}{\alpha}$

"A_1": [3, 3, 3, 0],
"A_2": [......]

...

3

$\vec{C_{M1B}}$

$S_{C1} = \vec{C_1}$
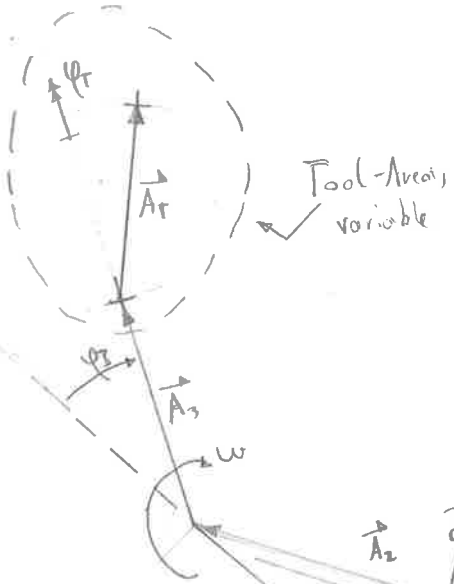
Solve on disk

start moottt : Vecttable
current : Vecttable

$$\gamma_1' = \arccos\left(\frac{|\vec{C_{M1A}}|^2 + |\vec{A_1} - \vec{C_{M1B}}|^2 - |\vec{C_1}|^2}{+2|\vec{C_{M1A}}||\vec{A_1} - \vec{C_{M1B}}|}\right)$$

$$\varphi_1 = \pi - \partial_{A1} - \gamma_1$$

$$\varphi_2 = \gamma + \partial_{A2} + \partial_{A3}$$

$\vec{A_2}$ ∂_{A3}

$\vec{C_{M2B}}$

$\vec{C_2}$

∂_{A1}

S_{C2}

∂_{A2}

$\vec{A_1}$

$\vec{C_1}$

$\vec{C_{M2A}}$

φ_1

γ_1'

$\vec{C_{M1A}}$

φ_B $\vec{A_B}$

z

Y

x