List of coefficients

2. Coriolis matrix

Name	Expression	Multiplies matrix term	Multiplies velocity variable	Index in matrix
σ_2	$2l_1m_w - m_bx_G$	$\dot{\alpha}c_{\alpha-\varphi_p}$	ά	1,3
		$\dot{\alpha}s_{\alpha-\varphi_p}$	ά	2,3
	$-2l_1m_w + m_bx_G$	$\dot{\varphi}_p c_{\alpha-\varphi_p}$	ά	1,3
		$\dot{arphi}_p s_{lpha - arphi_p}$	\dot{lpha}	2,3
		$(\dot{\alpha} - \dot{\varphi}_p)c_{\alpha - \varphi_p}$	$\dot{\varphi}_p$	1,6
		$(\dot{\alpha}-\dot{\varphi}_p)s_{\alpha-\varphi_p}$	$\dot{\varphi}_p$	2,6
σ_3	$-m_p x_F$	$\dot{\alpha}c_{lpha}$	ά	1,3
		$\dot{\alpha}s_{\alpha}$	ά	2,3
σ_4	$m_p y_F$	άs _α	ά	1,3
	$-m_p y_F$	$\dot{\alpha}c_{lpha}$	ά	2,3
σ_5	$m_b y_G$	$\dot{\alpha}s_{\alpha-\varphi_p}$	ά	1,3
		$\dot{arphi}_p s_{lpha - arphi_p}$	ά	1,3
		$\dot{arphi}_p c_{lpha-arphi_p}$	ά	2,3
		$\dot{\alpha}c_{\alpha-\varphi_p}$	ά	2,3
		$(\dot{\alpha} - \dot{\varphi}_p)c_{\alpha - \varphi_p}$ $(\dot{\alpha} - \dot{\varphi}_p)s_{\alpha - \varphi_p}$	$\dot{\varphi}_p$	2,6
	$-m_b y_G$	$(\dot{\alpha}-\dot{\varphi}_p)s_{\alpha-\varphi_p}$	\dot{arphi}_p	1,6