List of coefficients

2. Coriolis matrix

Name	Expression	Multiplies matrix term	Multiplies velocity variable	Index in matrix
σ_2	$2l_1m_w - m_bx_G$	$\dot{\alpha}c_{\alpha-\varphi_p}$	$\dot{\alpha}$	1,3
		$\dot{\alpha}s_{\alpha-\varphi_p}$	$\dot{\alpha}$	2,3
	$-2l_1m_w + m_bx_G$	$\dot{\varphi}_p c_{\alpha-\varphi_p}$	$\dot{\alpha}$	1,3
		$\dot{\varphi}_p s_{\alpha-\varphi_p}$	$\dot{\alpha}$	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	$-m_px_F$	$\dot{\alpha}c_\alpha$	$\dot{\alpha}$	1,3
		$\dot{\alpha}s_\alpha$	$\dot{\alpha}$	2,3
σ_4	m_py_F	$\dot{\alpha}s_\alpha$	$\dot{\alpha}$	1,3
	$-m_py_F$	$\dot{\alpha}c_\alpha$	$\dot{\alpha}$	2,3
σ_5	m_by_G	$\dot{\alpha}s_{\alpha-\varphi_p}$	$\dot{\alpha}$	1,3
		$\dot{\varphi}_p s_{\alpha-\varphi_p}$	$\dot{\alpha}$	1,3
		$\dot{\varphi}_p c_{\alpha-\varphi_p}$	$\dot{\alpha}$	2,3
		$\dot{\alpha}c_{\alpha-\varphi_p}$	$\dot{\alpha}$	2,3
		$(\dot{\alpha} - \dot{\varphi}_p)c_{\alpha-\varphi_p}$	$\dot{\varphi}_p$	2,6
	$-m_by_G$	$(\dot{\alpha} - \dot{\varphi}_p)s_{\alpha-\varphi_p}$	$\dot{\varphi}_p$	1,6