Design	Modes			ζ	ωd <i>(F1)</i>	T2	τ	Design	Mo	Modes		ωd <i>(F1)</i>	T2	τ
With Weight	long.	<mark>hugoid</mark> sp		0.0316368 0.713855				Witho	long.	hugoid (3) sp (1)	0.0340302 0.789599			
	lateral	spiral roll	(4) (1)	0.110662	0.588521	9.62487	0.0369038	ut Weight	lateral	spiral (4) roll (1) dutch (2)	0.138086	0.500212	8.30405	0.0318011
NO	TES	dutch	(2)	0.110002	0.366321					dutch (2)	0.136060	0.366212		
Make sure <u>inertia</u> extracted from solidworks/fusion is wrt the same axes corresponding to those in <u>xflr5</u>							LVL 1 (Best) Damping ratio							
assumed dutch maximum wd=.6							LVL 2 Damped natural frequency () or F1			equency				
							LVL 3 (Least) Time to double (T2) or (t2) (for unstable system)							
						Daligerous		nstant ()						
						stal	bility							

Page 1