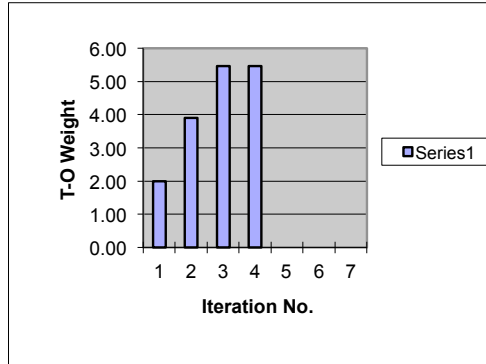


Iterative Takeoff Weight

Mission Requirements

Max. Mach 0.04
 Cruise Mach 0.04
 Cruise Alt. (ft) 300
 Oper. Rad. (nm) 1
 Engine: TSFC Min. 0
 Engine: TSFC Max. 0
 Engine: Thrust (lbs) 4
 Aspect Ratio 7
 Combat: Time (min) 0
 Combat: Altitude (ft) 0
 Loiter: Time (min) 0
 Loiter: Altitude (ft) 0
 Fuel Reserve (%) 0
 Trapped Fuel (%) 0
 Structure Factor 0.4
 Payload: Exp. (lb) 0
 Payload: Non-exp. (lb) 3



		Iteration 1	Iteration 2	Iteration 3	Iteration 4	Iteration 5	Iteration 6	Iteration 7
Weight: T-O (estimated)	2	2.00	3.90	5.46	5.46	#DIV/0!	#DIV/0!	#DIV/0!
Weight: T-O (final)		3.90	4.76	5.46	5.46	#DIV/0!	#DIV/0!	#DIV/0!
Surplus Empty Wt. (lbs)		-1.90	-0.86	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!
1. Start-up & T-O		1.95	3.80	5.33	5.33	#DIV/0!	#DIV/0!	#DIV/0!
2. Climb & Accel. to Cruise		1.95	3.80	5.32	5.32	#DIV/0!	#DIV/0!	#DIV/0!
3a. L/D		17.00	17.00	17.00	17.00	17.00	17.00	17.00
3b. V (f/s)		44.12	44.12	44.12	44.12	44.12	44.12	44.12
3c. Cruise to destination		1.95	3.80	5.32	5.32	#DIV/0!	#DIV/0!	#DIV/0!
4. Accel. to high speed		1.95	3.80	5.32	5.32	#DIV/0!	#DIV/0!	#DIV/0!
5. Combat		1.95	3.80	5.32	5.32	#DIV/0!	#DIV/0!	#DIV/0!
6. Drop Exp. Payload		1.95	3.80	5.32	5.32	#DIV/0!	#DIV/0!	#DIV/0!
7. Cruise back		1.95	3.80	5.32	5.32	#DIV/0!	#DIV/0!	#DIV/0!
7. Loiter		1.95	3.80	5.32	5.32	#DIV/0!	#DIV/0!	#DIV/0!
8. Land		1.90	3.70	5.19	5.19	#DIV/0!	#DIV/0!	#DIV/0!
Total Fuel Wt. (lbs)		0.10	0.20	0.28	0.28	#DIV/0!	#DIV/0!	#DIV/0!
Available Empty Wt. (lbs)		-1.10	0.70	2.19	2.19	#DIV/0!	#DIV/0!	#DIV/0!
Required Empty Wt. (lbs)		0.80	1.56	2.19	2.19	#DIV/0!	#DIV/0!	#DIV/0!