

Wing Weight

<i>Fighter</i>	<i>Transport</i>	<i>Gen. Av.</i>
0.0103	0.0051	0.0360
0.7680	1.0000	1.0000
1.0000	1.0000	1.0000
0.5000	0.5570	0.4900
0.5000	0.5770	0.4900
0.6220	0.6490	0.7580
0.7850	0.5000	0.6000
-0.4000	-0.4000	-0.3000
1.0000	1.0000	0.0000
0.0500	0.1000	0.0040
-1.0000	-1.0000	0.3000
0.0400	0.1000	0.0000
0.0000	0.0000	0.0060
0.0000	0.0000	0.0035

Fighter	0.97 lbs
Transport	0.49 lbs
Gen. Av.	2.87 lbs

A	7
K_dw	0.768
K_vs	1
n	2
q	2.2933098 lb/f ²
S_w	6.3843036 f ²
(Sf/Sw)	0.6
S_f	3.8305822 f ²
t/c	0.12
W_dg	5.4634459 lbs
W_fw	0.10 lbs
Λ	0 deg
λ	1

Horizontal Tail Weight

<i>Fighter</i>	<i>Transport</i>	<i>Gen. Av.</i>
0.5503	0.0379	0.0092
-2.0000	-0.2500	0.0000
0.2600	0.6390	0.4140
0.2600	0.1000	0.4140
0.8060	0.7500	0.8960
0.0000	-1.0000	0.0000
0.0000	0.7040	0.0000
0.0000	-1.0000	0.0340
0.0000	0.1160	0.0430
0.0000	0.0000	-0.1200
0.0000	0.0000	-0.0200
0.0000	0.0000	0.1680

Fighter	0.07 lbs
Transport	0.03 lbs
Gen. Av.	0.04 lbs

A_ht	5
b_ht	2.2061181 f
F_w	6 f
K_y	0.78 f
L_ht	2.6 f
n	2
q	2.2933098 lbs/f ²
S_ht	1 f ²
(t/c)ht	0.12
W_dg	5.4634459 lbs
(Λ)ht	0 deg
(λ)ht	1.00

Vertical Tail Weight

<i>Fighter</i>	<i>Transport</i>	<i>Gen. Av.</i>
0.4520	0.0026	0.0076
1.0000	1.0000	0.2000
0.5000	0.2250	1.0000
0.4880	0.5560	0.3760
0.4880	0.5360	0.3760
0.7180	0.5000	0.8730
0.3410	0.0000	0.0000
-1.0000	-0.5000	0.0000
0.3480	0.0000	0.0000

A_vt	1.5
H_ht	0 f
H_vt	0.9042393 f
K_z	2.6 f
K_rht	1
L_vt	2.6 f
M	0.04
n	2
q	2.2933098 lbs/f ²

0.2230	0.3500	0.3570	S_r/S_{vt}	0.3
1.0000	0.0000	0.0000	S _r	0.1635298 f ²
0.2500	0.0000	0.0390	S_{vt}	0.5450992 f ²
-0.3230	-1.0000	-0.2240	(t/c)_{vt}	0.04
0.0000	-0.5000	-0.4900	W _{dg}	5.4634459 lbs
0.0000	0.8750	0.0000	(Λ)_{vt}	0 deg
0.0000	0.0000	0.1220	(λ)_{vt}	0.80

Fighter	0.17 lbs
Transport	0.06 lbs
Gen. Av	0.07 lbs

Fuselage Weight

<i>Fighter</i>	<i>Transport</i>	<i>Gen. Av.</i>		
0.4990	0.3280	0.0520	b_w	5.5497748 f
1.0000	1.0000	1.0000	D	0.333 f
1.0000	1.0000	1.0000	K _{ws}	0
0.3500	0.5000	0.1770	K_{dwf}	1
0.2500	0.5000	0.1770	K_{door}	1
0.5000	0.3500	-0.0720	K_{lg}	1
0.0000	0.0000	-0.0510	L_f	2.997 f
0.8490	-0.1000	0.0720	L _t	2.6 f
0.0000	0.3020	1.0860	n	2
0.6850	0.0000	0.0000	q	2.2933098
0.0000	0.0400	0.0000	S_f	2 f ²
0.0000	0.0000	0.2410	S _{vt}	0.5450992 f ²
0.0000	0.0000	11.9000	W_f	0.333 f
			V_{pr}	0 f ³
			W _p	11.9
			W _{dg}	5.4634459 lbs
			Λ	0 deg
			λ	1

Fighter	0.34 lbs
Transport	2.19 lbs
Gen. Av	12.07 lbs

Main Landing Gear Weight

<i>Fighter</i>	<i>Transport</i>	<i>Gen. Av.</i>		
1.0000	0.0106	0.0344	K_{cb}	1
1.0000	1.0000	1.0000	K_{mp}	1
1.0000	1.0000	1.0000	K_{tpg}	1
0.2500	0.8880	0.7680	L_m	0 in
0.2500	0.2500	0.7680	n	2
0.9730	0.4000	0.4090	N_{mw}	1 wheels
0.0000	0.3210	0.0000	N_{mss}	1 struts
0.0000	-0.5000	0.0000	V_s	10 f/s
0.0000	0.1000	0.0000	W_l	5 lbs

Fighter	0
Transport	0

Gen. Av. 0

Nose Landing Gear Weight

<i>Fighter</i>	<i>Transport</i>	<i>Gen. Av.</i>
1.0000	0.0320	1.0000
1.0000	1.0000	0.0153
0.2900	0.6460	0.5660
0.2900	0.2000	0.5660
0.5000	0.5000	0.8450
0.5250	0.4500	0.0000

K_np 1
L_n 0 in
n 2
N_nw 2 wheels
W_l 5.1853784 lbs

Fighter 0.00 lbs
Transport 0.00 lbs
Gen. Av. 0.00 lbs

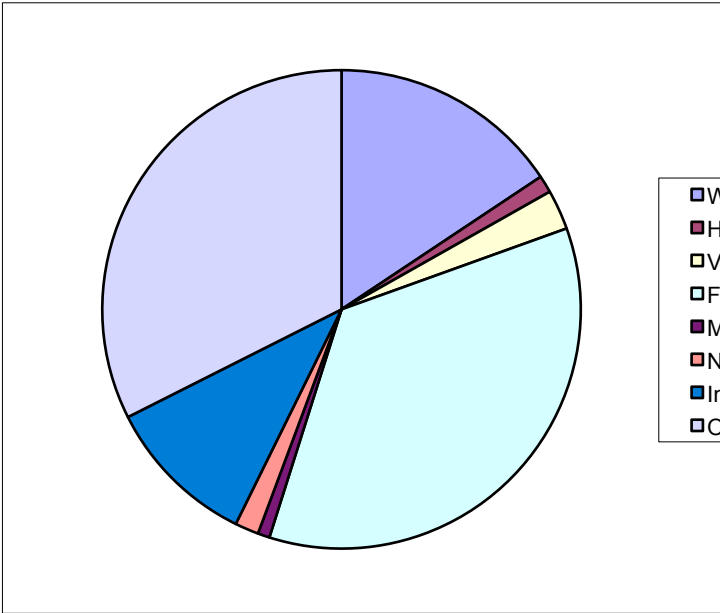
Summary

	Fighter	Transport	Gen. Av.
Wing	0.97	0.49	2.87
Horiz. Tail	0.07	0.03	0.04
Vert. Tail	0.17	0.06	0.07
Fuselage	0.34	2.19	12.07
Main Gear	0	0	0
Nose Gear	0.00	0.00	0.00
Total	1.56	2.78	15.04

Case Study

Wstr 2 lbs

Parts	Weights	W/Wstr
Wing	0.97	44.546368 %
Horiz. Tail	0.07	3.3160702 %
Vert. Tail	0.17	7.6604708 %
Fuselage	2.20	100.66907 %
Main Gear	0.05	2.2879333 %
Nose Gear	0.10	4.5758667 %
Ins. Eng.	0.64	29.253516 %
Total	192.30929	%
Other	-2.02	-92.30929 %
Target	0.93	42.5 %



Ving
loriz. Tail
ert. Tail
uselage
lain Gear
lose Gear
rs. Eng.
other