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#
# K2 3-meter glider
# Mass & Inertia breakdown
#
# xyz is location of item's own CG
# lxx.. are item's inertias about item's own CG
#
# x back
# y right
# z up
#
# x,y,z system here must have origin
# at same location as AVL input file
#
Lunit = in
Munit = oz
#
# mass   x       y       z       lxx      lyy      lzz      lxz
#
0.5      -4.0     0.      -1.      0. 0. 0. 0. ! Receiver
1.0      -6.0     0.      -1.      0. 0. 0. 0. ! servos
4.5      -9.0     0.      -1.      0. 0. 0. 0. ! battery
1.25     -5.0     0.      -1.      0. 0. 0. 0. ! nosecone
1.25     -10.0    0.      -1.      0. 0. 0. 0. ! nosecone
6.5      -12.0    0.      -1.      0. 0. 0. 0. ! ballast
1.8      38.75    4.38    3.09     0. 0. 0. 0. ! vtail
1.8      38.75    -4.38   3.09     0. 0. 0. 0. ! vtail
3.238    -10.0    0.      -1.      0. 0. 0. 0. ! fuse
3.238    -5.0     0.      -1.      0. 0. 0. 0. ! fuse
3.238    0.0      0.      -1.      0. 0. 0. 0. ! fuse
3.238    11.0     0.      -1.      0. 0. 0. 0. ! fuse
3.238    25.0     0.      -1.      0. 0. 0. 0. ! fuse
0.75     5.0      12.     -0.5     0. 0. 0. 0. ! servo
0.75     5.0      -12.    -0.5     0. 0. 0. 0. ! servo
0.75     5.0      35.     0.75     0. 0. 0. 0. ! servo
0.75     5.0      -35.    0.75     0. 0. 0. 0. ! servo
1.1      4.0      24.     1.25     0. 0. 0. 0. ! joiner
1.1      4.0      -24.    1.25     0. 0. 0. 0. ! joiner
3.92     2.0      0.       0.       0. 0. 0. 0. ! wingcenter
3.92     8.0      0.       0.       0. 0. 0. 0. ! wingcenter
3.92     2.0      18.     1.       0. 0. 0. 0. ! wingcenter
3.92     8.0      18.     1.       0. 0. 0. 0. ! wingcenter
3.92     2.0      -18.    1.       0. 0. 0. 0. ! wingcenter
3.92     8.0      -18.    1.       0. 0. 0. 0. ! wingcenter
1.708    3.0      28.     1.3      0. 0. 0. 0. ! wingtip
1.708    9.0      28.     1.3      0. 0. 0. 0. ! wingtip
1.708    3.0      -28.    1.3      0. 0. 0. 0. ! wingtip
1.708    9.0      -28.    1.3      0. 0. 0. 0. ! wingtip
1.708    4.0      38.     1.925    0. 0. 0. 0. ! wingtip
1.708    8.0      38.     1.925    0. 0. 0. 0. ! wingtip
1.708    4.0      -38.    1.925    0. 0. 0. 0. ! wingtip
1.708    8.0      -38.    1.925    0. 0. 0. 0. ! wingtip
0.854    4.25     46.     2.4      0. 0. 0. 0. ! wingtip
0.854    5.75     46.     2.4      0. 0. 0. 0. ! wingtip
0.854    4.25     -46.    2.4      0. 0. 0. 0. ! wingtip
0.854    5.75     -46.    2.4      0. 0. 0. 0. ! wingtip

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0.854	5.0	54.	2.8	0.	0.	0.	0.	!	wi	ngti	p
0.854	7.0	54.	2.8	0.	0.	0.	0.	!	wi	ngti	p
0.854	5.0	-54.	2.8	0.	0.	0.	0.	!	wi	ngti	p
0.854	7.0	-54.	2.8	0.	0.	0.	0.	!	wi	ngti	p

