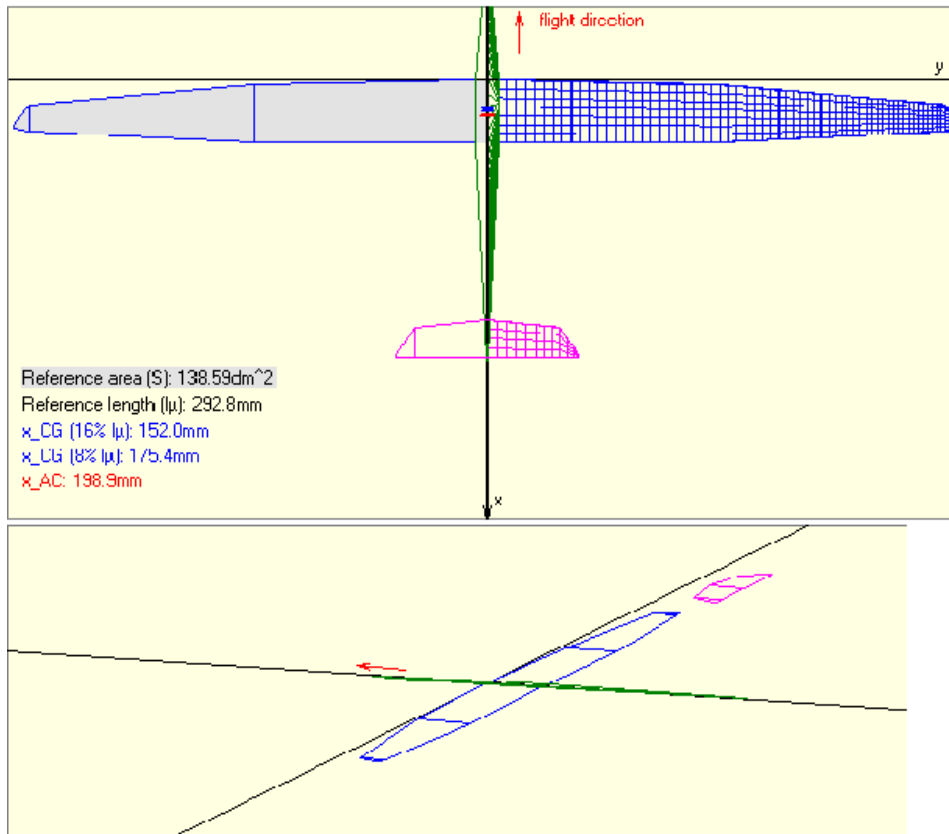


WinLaengs4 V3.5

C:\Portable\WinLaengs\Modelle\Straton.wl4



#### Summary:

|                                              |          |
|----------------------------------------------|----------|
| aerodynamic center:                          | 198.9 mm |
| Recommended center of gravity by stab = 16%: | 152.0 mm |
| recomemnded center of gravity by stab = 8%:  | 175.4 mm |
| Center of gravity by stab = 7.5%:            | 176.9 mm |

#### Wing1:

|     |     |      |      |      |                     |             |
|-----|-----|------|------|------|---------------------|-------------|
| xf: | 0   | 30   | 135  | 250  | wing span:          | 5034 mm     |
| lf: | 345 | 315  | 147  | 20   | wing area:          | 134.7 dm**2 |
| yf: | 57  | 1237 | 2437 | 2517 | aspect ratio:       | 18.8        |
| zf: | 0   |      |      |      | mean aerod. chord:  | 291.3 mm    |
| x0: | 0   |      |      |      | geometric center:   | 114.5 mm    |
|     |     |      |      |      | aerodynamic center: | 113.8 mm    |
|     |     |      |      |      | lift slope:         | 5.65        |

#### Wing2:

|     |      |     |     |                     |            |
|-----|------|-----|-----|---------------------|------------|
| xf: | 0    | 45  | 190 | wing span:          | 960 mm     |
| lf: | 210  | 165 | 20  | wing area:          | 16.3 dm**2 |
| yf: | 0    | 390 | 480 | aspect ratio:       | 5.7        |
| zf: | 620  |     |     | mean aerod. chord:  | 180.5 mm   |
| x0: | 1325 |     |     | geometric center:   | 74.6 mm    |
|     |      |     |     | aerodynamic center: | 74.4 mm    |
|     |      |     |     | lift slope:         | 3.49       |

#### Wing3:

|     |      |     |                     |            |
|-----|------|-----|---------------------|------------|
| xf: | 0    | 700 | wing span:          | 114 mm     |
| lf: | 2250 | 345 | wing area:          | 14.8 dm**2 |
| yf: | 0    | 57  | aspect ratio:       | 0.1        |
| zf: | 0    |     | mean aerod. chord:  | 1530.6 mm  |
| x0: | -700 |     | geometric center:   | 647.0 mm   |
|     |      |     | aerodynamic center: | 757.1 mm   |
|     |      |     | lift slope:         | 1.66       |