



$$\bar{c} = (2/3) C_{root} (1 + \lambda + \lambda^2) / (1 + \lambda)$$

$$\bar{Y} = (b/6) [(1 + 2\lambda) / (1 + \lambda)] \text{ (assuming lift is proportional to chord)}$$

$\bar{Y}$  must be doubled for a vertical tail.

**Fig. 4.17 Mean aerodynamic chord.**