Orag : $C_0 = \frac{1}{2\rho} \sqrt{2} S$ 0 = T in ealm ∴ There are many additional sources of drag: - Profile (Skin + Form) - Interference : between components upper cose = 30 lower cose = 20 Drag Equation - Orag consists of zero-incidence coefficient C part $\propto C_{L}^{2}$ idured drog + form drog -> drag due to lift $C_{\rho} = C_{0_{\circ}} + KC_{L}^{2}$ K = πeAh $C_0 = C_{0_0} + C_c^2$ Abo written os πeAB where e is redefined from Span efficiency factor for wing to Oswold efficiency factor for the whole aircraft. Drag Polar - For an averaft with a combered wing, minimum drag no longer necessarily occurs at 0 lift (we will assume $Co_{min} = Cc_{o}$ for year 1) \rightarrow drag equation becomes $C_0 = C_{0min} + K (C_L - C_{L_0})^2$ Sometimes plotted as Ci vs. Co





