>> Minimum Power Calculator

-- This function calculates the minimum power as a function of the altitude (air density) along with other constant parameters

```
function [P_min] = minPower_cal(density, weight, wingArea, ...
    drag_polar_coeff, zeroLiftDrag_coeff)

% Simplify variables
rho = density;
W = weight;
S = wingArea;
K = drag_polar_coeff;
C_D0 = zeroLiftDrag_coeff;

% Breaking up Computation of P_min
A = 2 * W^2 ./ rho / S;
B = sqrt(3 * K^3 * C_D0);

% P_min is
P_min = 4 / 3 * sqrt(A .* B);
end
```