

# Relation Between Angle of Attack and Lift

## Basic Fact

Lift is proportional to the square of air speed as shown in the formula below.

$$L = \rho V^2 C_L dS$$

$L$  : Lift  $\rho$  : Air density  $C_L$  : Lift coefficient

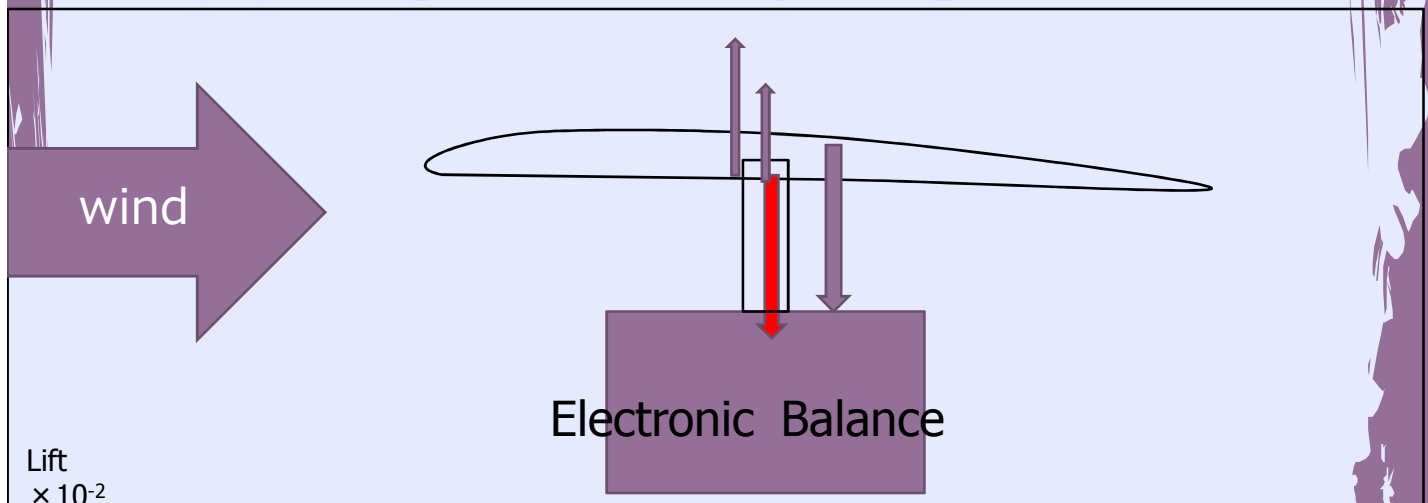
$V$  : Air speed  $dS$  : wing area

## Purposes

To make a measurement device which can measure lift correctly

To confirm relation between angle of attack and lift

## (5) Diagram of My Experiment



Lift  
 $\times 10^{-2}$

