

Cycling · Drag Force

$$F_{\text{DRAG}} = \frac{1}{2} \rho \boxed{C_D A} v^2$$

ρ : "rho" density of Fluid Air } Humidity
Altitude

C_D : Coefficient of Drag
How well fluid moves
over the object.
- Shape
- Surface } $C_D A$

A : Frontal Area

v : Velocity of the fluid
Air

CDA

For example,

- Clothing
 - tight fitting
 - loose
 - fabric
- Body Position
- helmet, shoes, socks, pedals,
frame (fork), wheels, spokes,
tubes
wires, ...
 - shape
 - surface