Cheatography

AP Physics - Drag Force Cheat Sheet

by BeeBooBopNerd via cheatography.com/131975/cs/31993/

Terminology

Drag Force	A force that opposes or resists motion, caused by collisions of moving objects with molecules in a fluid like air or water
Terminal Velocity	The constant speed a freely falling object will eventually reach when the fluid through which the object is falling prevents further acceleration

Equation

F_{drag} : drag force

C_{drag} : drag constant

A : surface area

ρ ("rho") : density of the fluid

V : velocity of object

Example Problem

Equaiton

$$F_D = \frac{1}{2}\rho A C_D v^2$$

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