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Subject. :- Physics
Title :- Air Pressure Differential Force

Abstract :- In this research I have given Formula and hypothesis of Air pressure differential Force.

Introduction:-

Whenever the wind passes over an object, then it starts rising upwards. Often we see that whenever a storm occurs, a lot of things start flying upward. This happens because a force works on those objects. It is called Air Pressure Differential Force. This is a new Hypothesis.

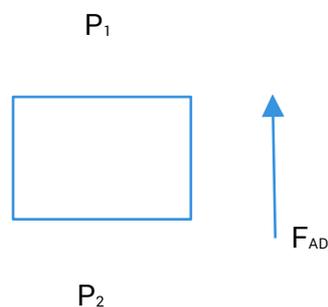
Research Methodology (Process) And Diagram :-

Air pressure differential force

When there is difference of air pressure on any two opposing surface of an object, then a force works on them, whose direction is more pressure than the lower pressure. It is called Air Pressure Differential Force.

Different of air pressure of any two opposite surface of an object then the created pressure on object is air pressure differential force

$F_{AP} \propto (\text{Difference of air pressure}) \times (\text{Area of object})$



If pressure of any two opposite surfaces is P_1 or P_2 respectively and A is area of surface of an object, then

$$F_{AP} \propto (P_2 - P_1) \times A \quad \dots\dots\dots (P_2 > P_1)$$

$$F_{AP} = k_A (P_2 - P_1) \times A \text{ (N)}$$

Where, k_{AP} is dimension less constant which is know as Air pressure differential constant. Its value is 1.

Conclusion:- In this research I have given Formula and hypothesis of Air pressure differential Force.

Reference:- No sentences have been copied in this research paper.