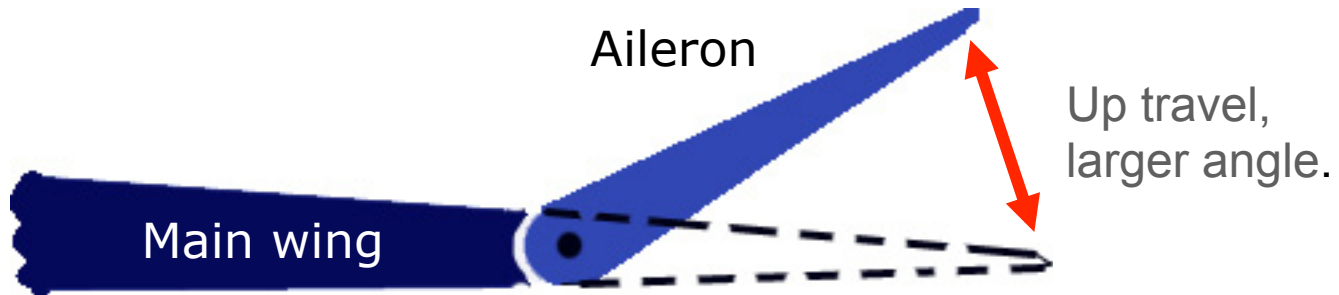
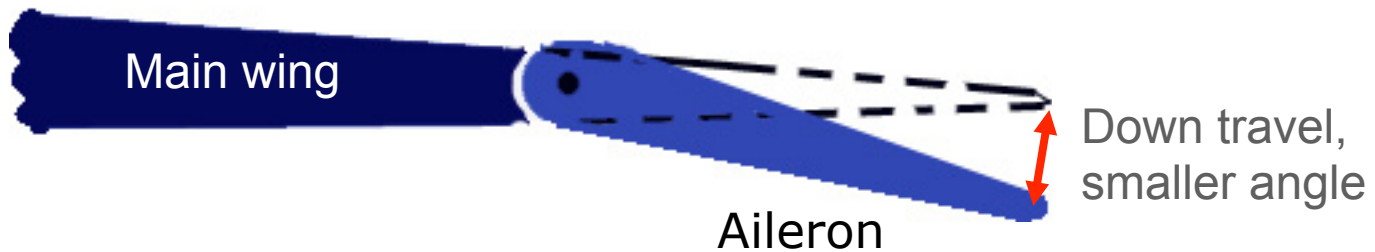


# DIFFERENTIAL AILERON



**Up travel is more than the down travel**





# DIFFERENTIAL AILERON

- Differential aileron is the simple mechanical arrangement **designed to overcome the aileron drag.**
- Instead of two ailerons moving equally up and down, the up going aileron is arranged to move a larger angle than the down going aileron.

# DIFFERENTIAL AILERON Cont..1

- This will **increase the drag and decrease the lift** on the wing with the up going aileron than the down going aileron.
- This arrangement eliminates the aileron drag for some extend.