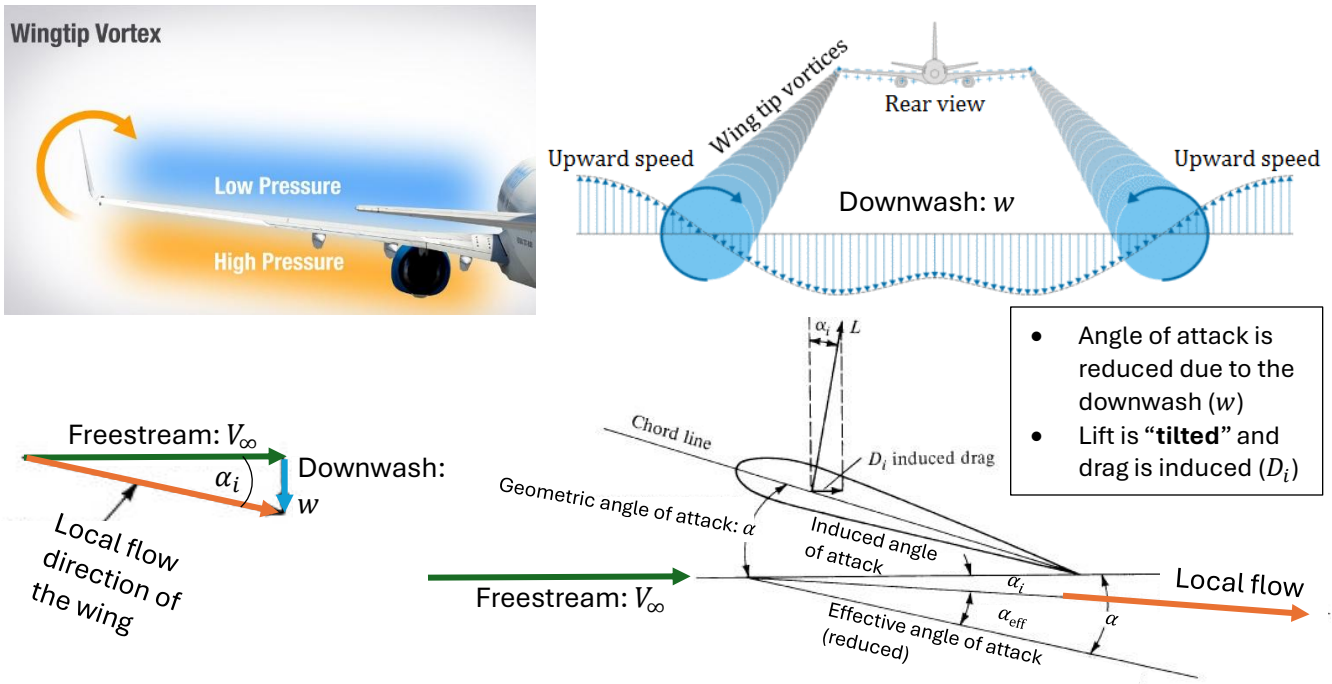


## (KEY CONCEPT) [D-1-3]



Wingtip vortex sketch (Source: boldmethod.com)  
 Wingtip vortices and downwash sketch (Source: theoryofflights.com)  
 Downwash and induced drag (source: J.D. Anderson "Fundamentals of Aerodynamics" 2016)

Lined area for notes, consisting of multiple horizontal dashed lines.