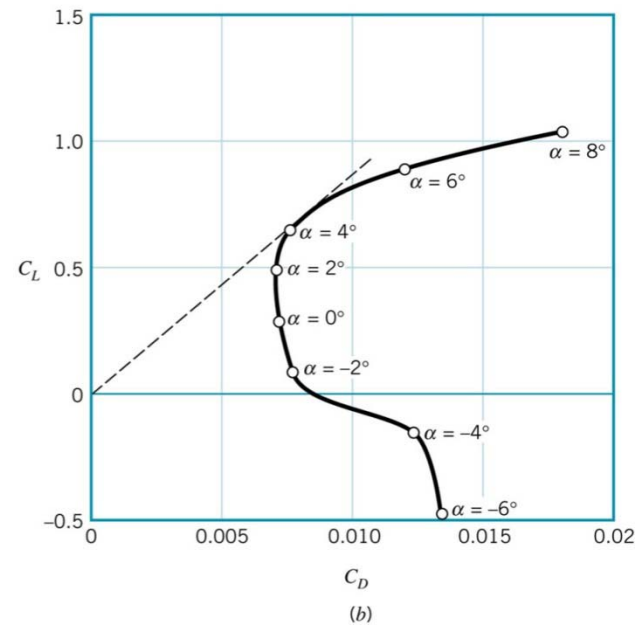
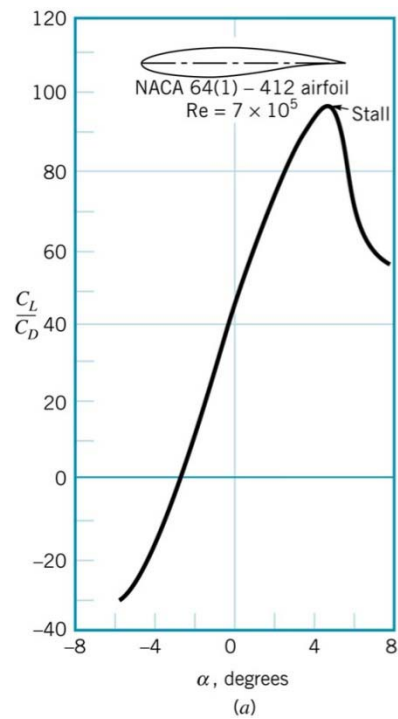


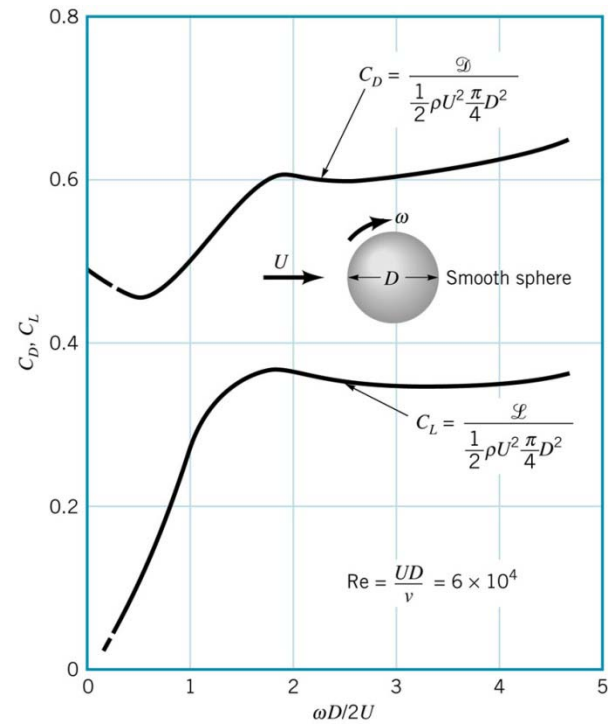
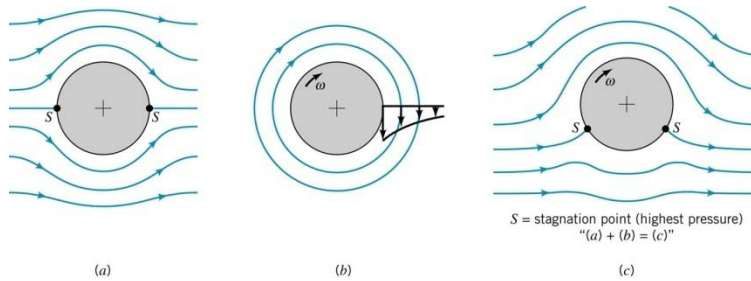
# Lift

## Lift to drag ratio



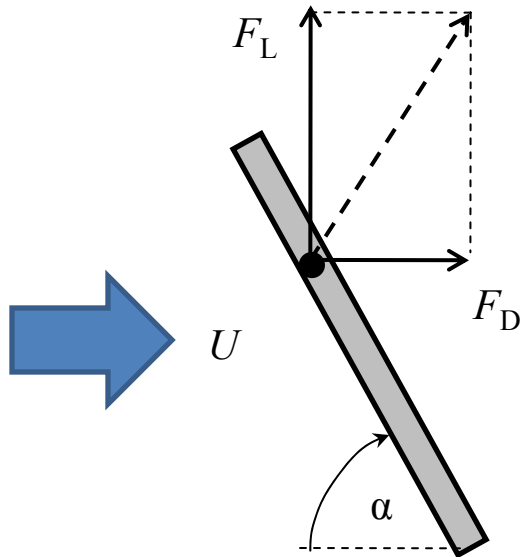
# Lift

With circulation



## Center of pressure

The net drag force and lift force work on the center of pressure



The location of the center of pressure is very important to determine stability.

For symmetric airfoil the center of pressure does not change with angle of attack and  $F_L$  &  $F_D$