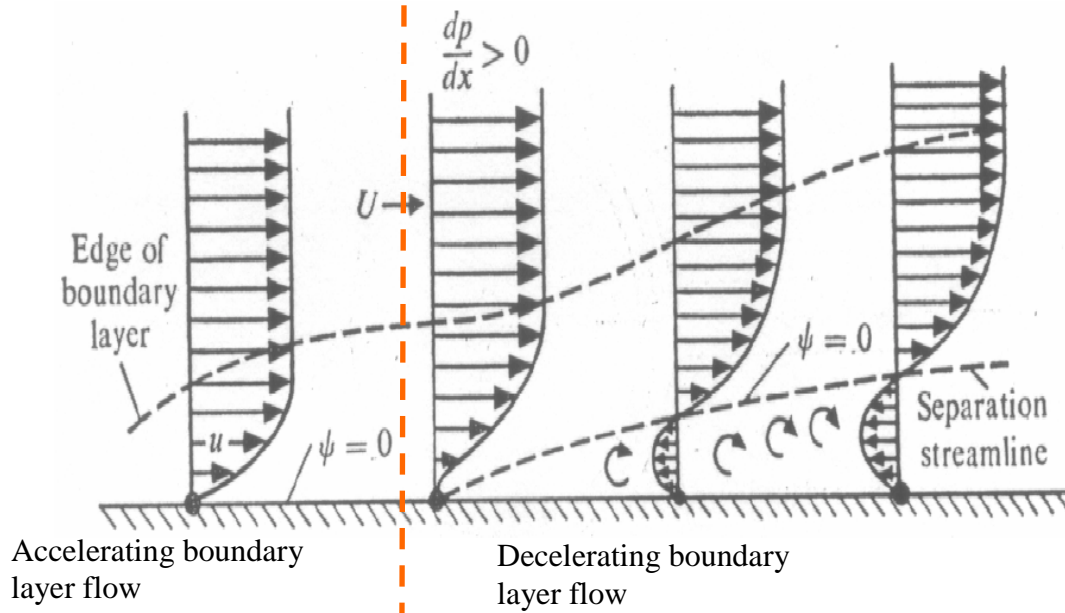
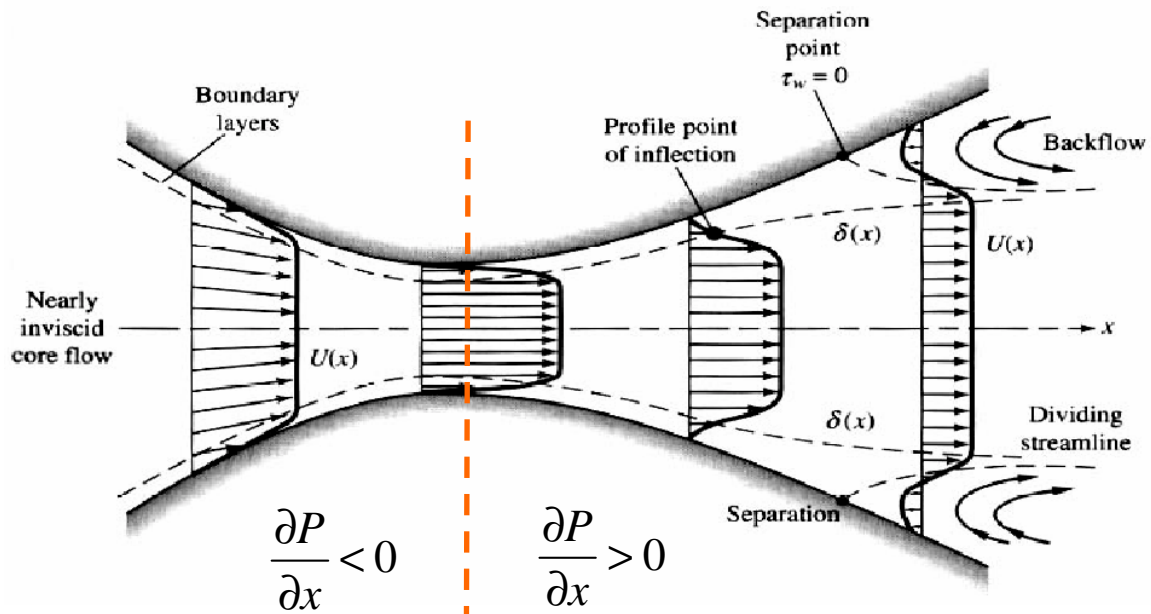
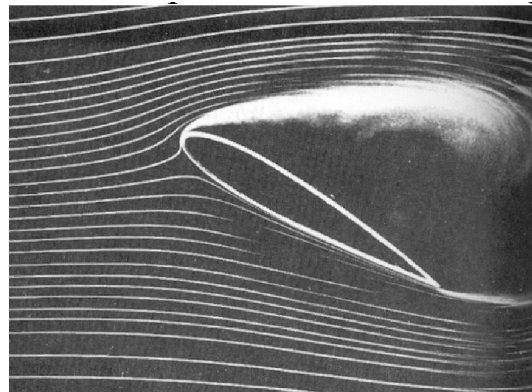


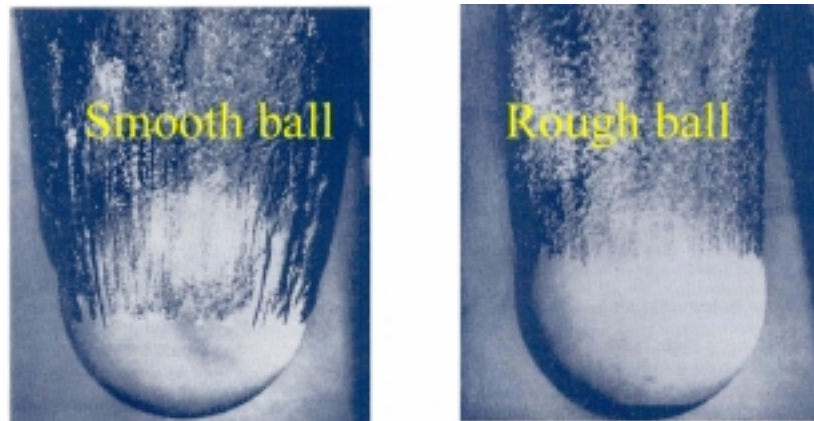
### Converging/Diverging Duct: Negative and Positive Pressure Gradient



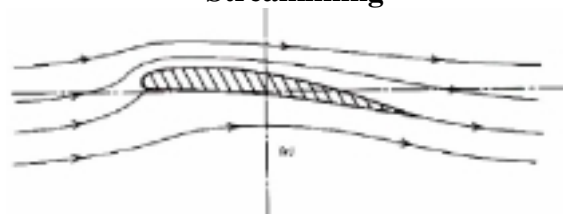
### Example of Negative Pressure Effect



### Effect of Roughness on Boundary Layer Separation



### Streamlining



### Two examples on how to reduce separation

- Streamlining reduces adverse pressure gradient beyond the maximum thickness and delays separation
- Roughening surface to force early transition to turbulent boundary layer