Streamline

y_1

u_e

ρ_e

Hypothetical flow with no boundary layer
(inviscid case)

External streamline

y_1

u_e

ρ_e

δ^*

u

ρ

Boundary
layer

δ
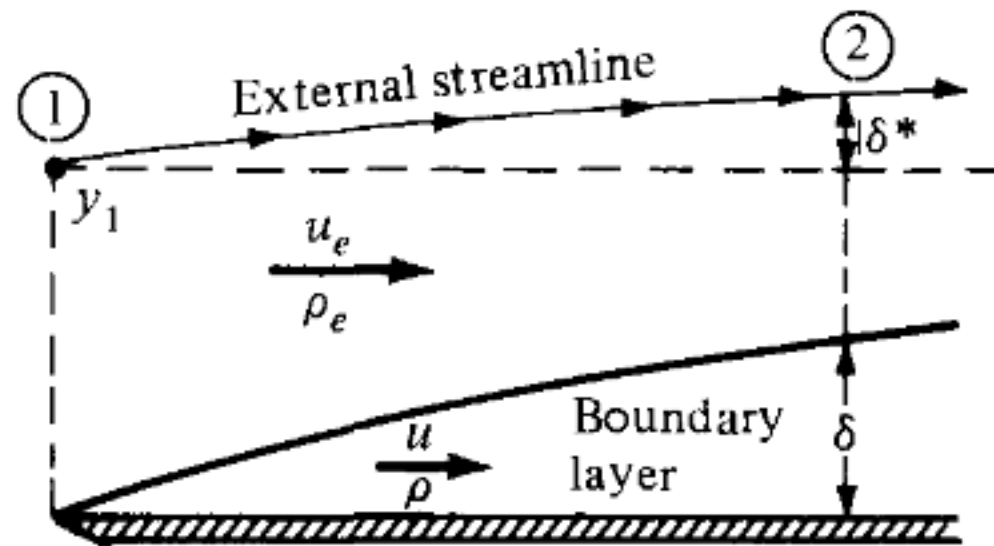
Actual flow with a boundary layer