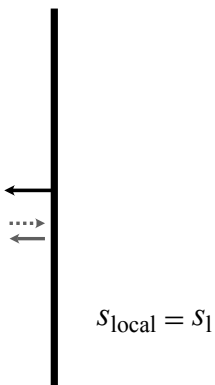


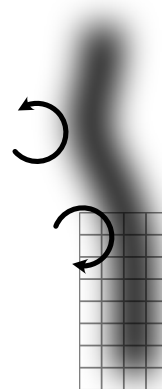
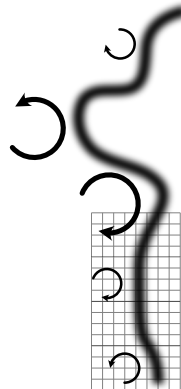
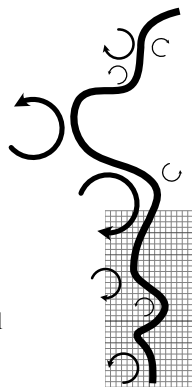
Laminar

Turbulent

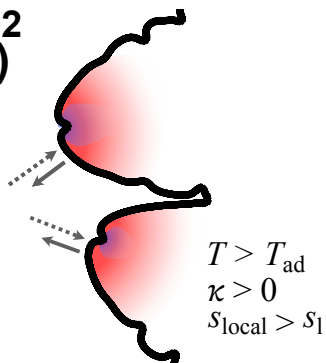
Lean C_xH_y
($Le \approx 1$)



$s_{turb} > s_l$

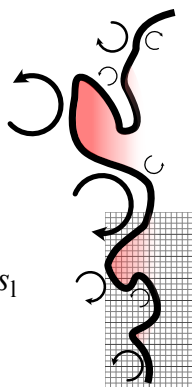


Lean H_2
($Le < 1$)

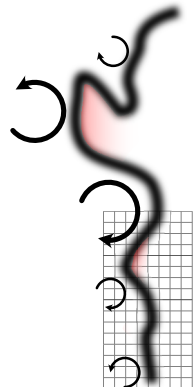


DNS

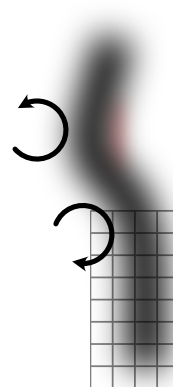
$s_{turb} \gg s_l$



DNS



LES



URANS

→ Heat Diffusion
....→ Species Diffusion

Resolved Interactions

Modeled Interactions