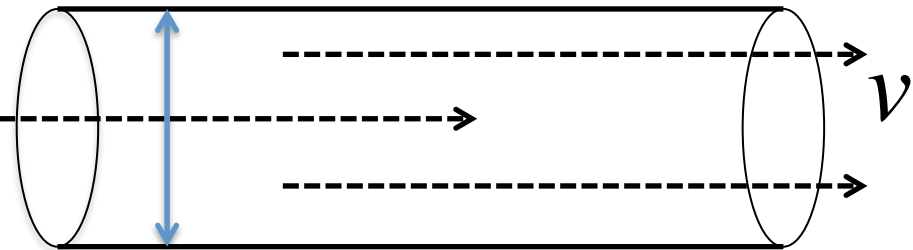


Méthode pour mesurer efficacement les fluctuations rares de l'intensité de la turbulence

$$Re = \frac{vR}{\mu}$$

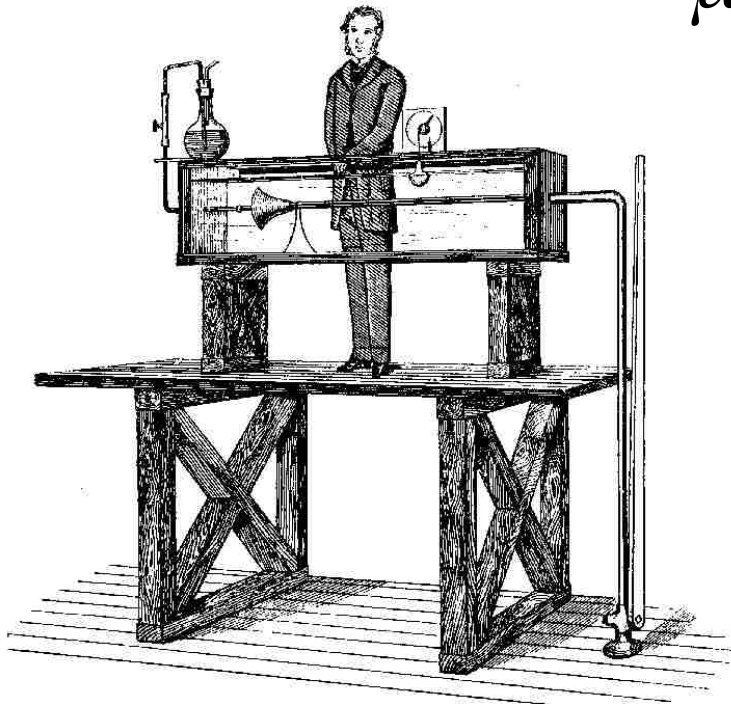


R

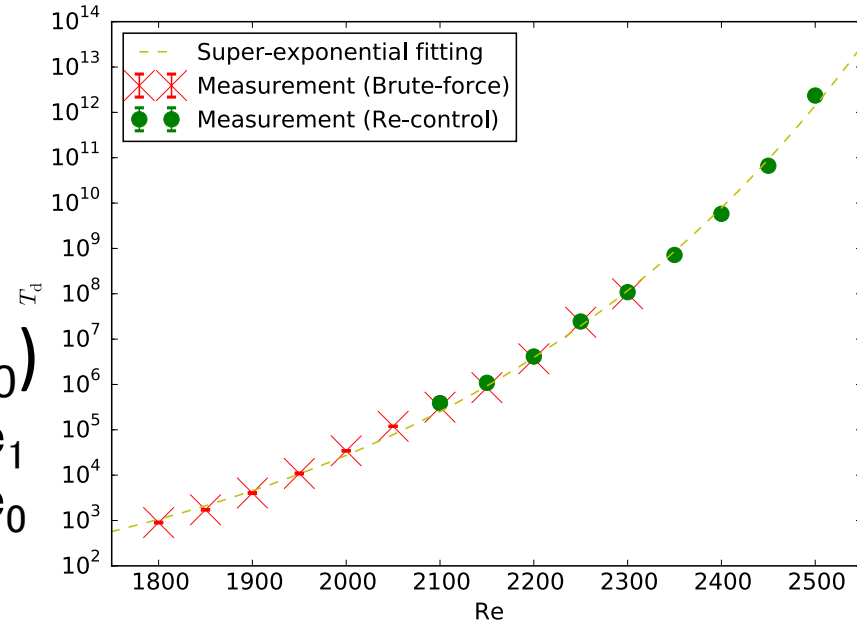
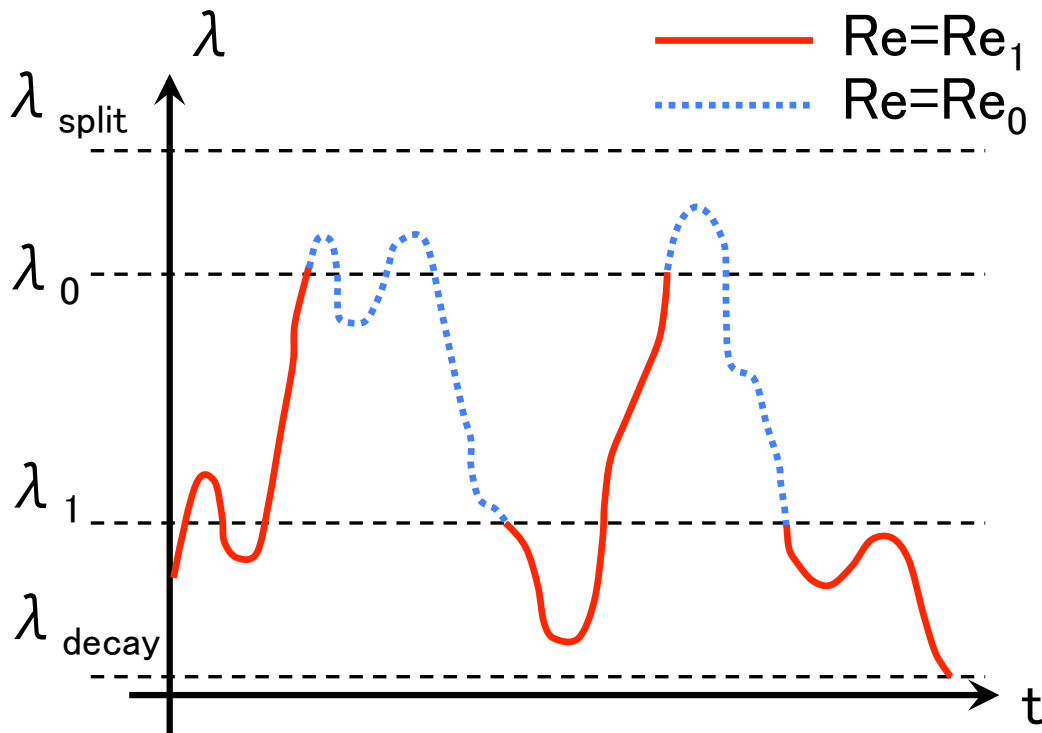
Re^c : Critical Reynolds number

$Re < Re^c$ Laminar flow?

$Re > Re^c$ Turbulent flow?



Turbulence intensity
 (axial vorticity)



Decaying time of
 turbulence
 (Barkley model)
 -> Target quantity!