



TANGO Science Market

Flow-Flame interaction

Alp Albayrak
Dmytro Iurashev



Keele

17/09/2014

In your bottle, air and water were fighting
each other

Gurgles

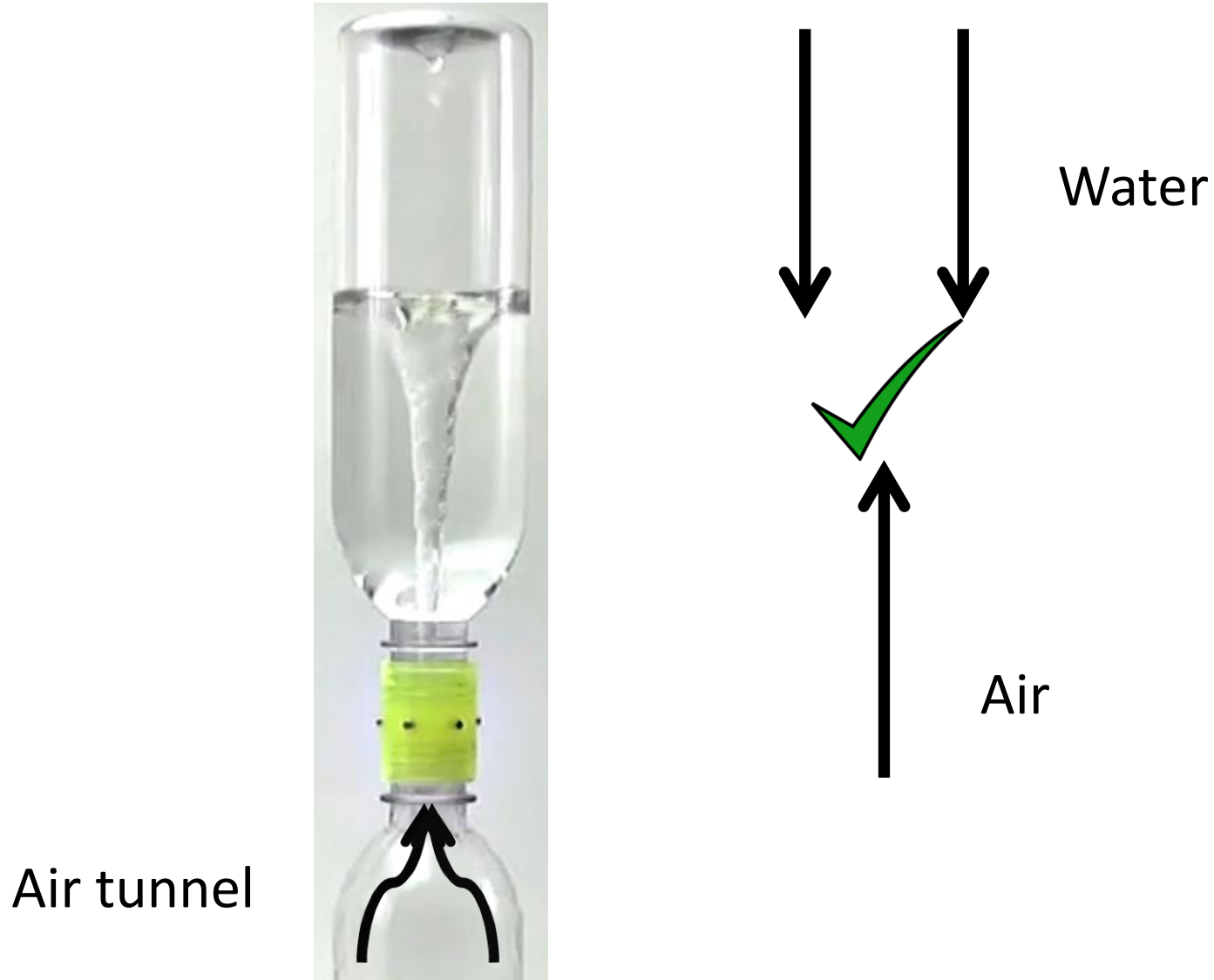


Water



Air

In my bottle, there was a peace



It is easy to prepare a tea burning a gas



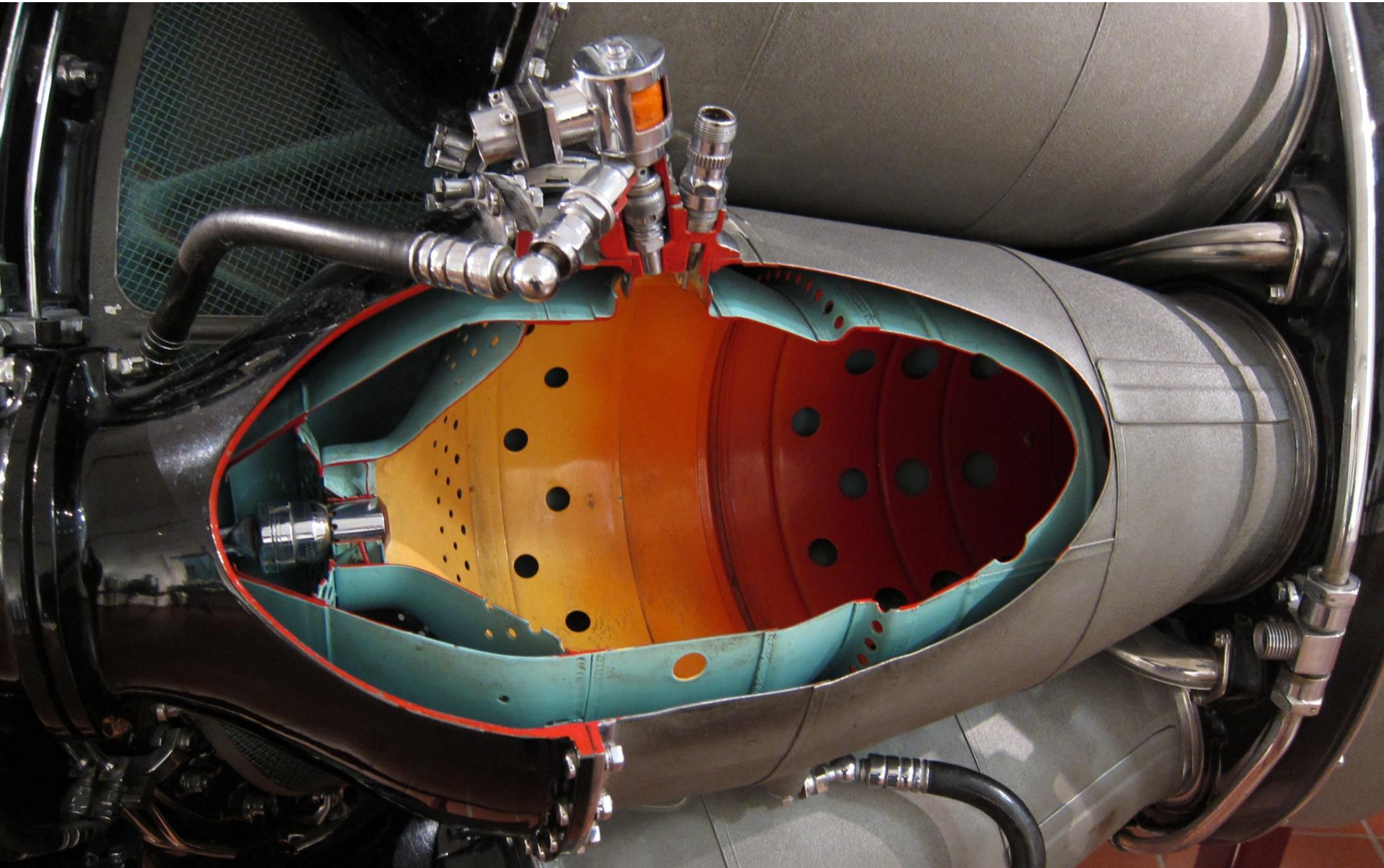
What about more power?



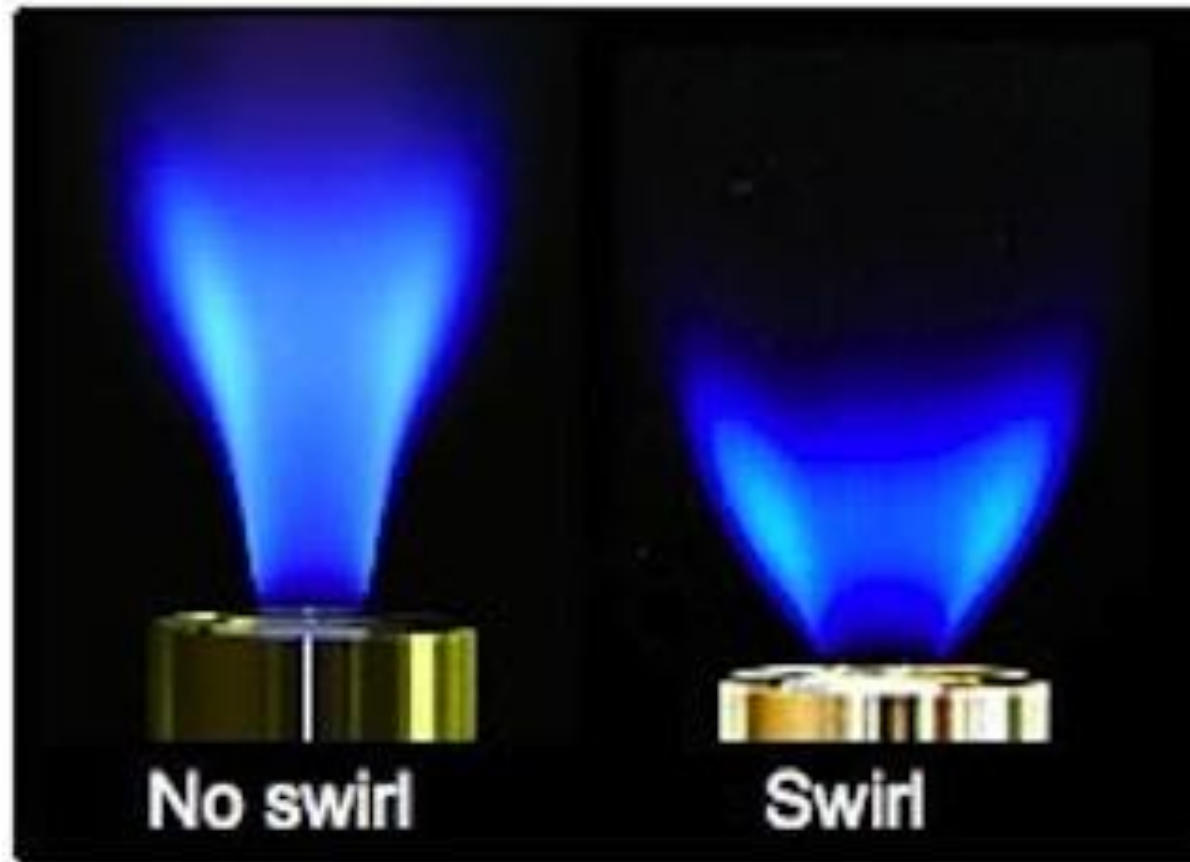
Sometimes flames can be quenched



What if it happens during a flight?



Flames with swirl are shorter and more stable



Because of magic vortices!

