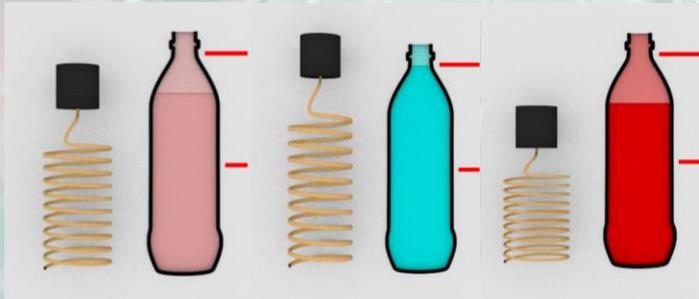


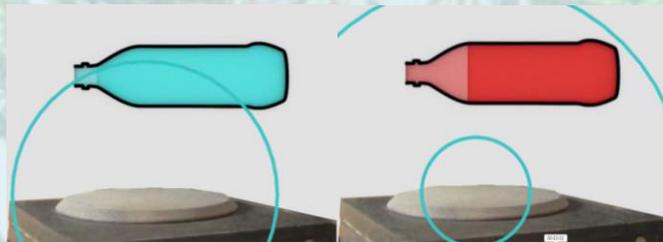
The Bottle Carousel

What is happening ?!

Resonance frequency of a bottle



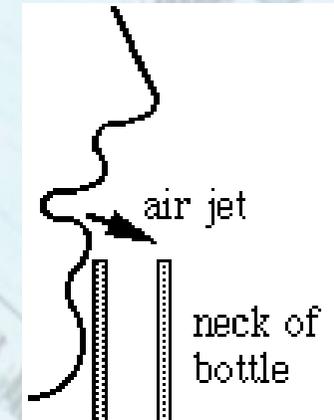
Exciting at the resonance frequency



Causing in and outflow of the air!

Flow – Sound Interaction

Blowing over a bottle and creating sound



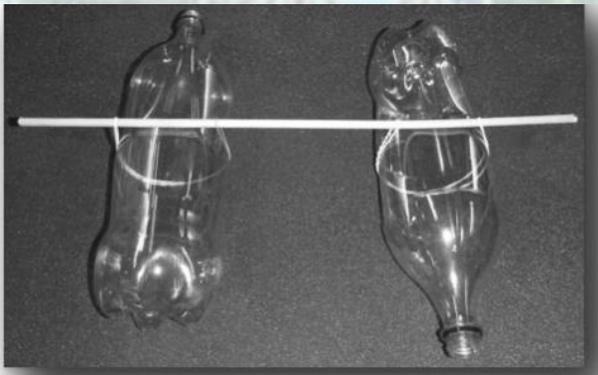
Sound – Flow Interaction

Making sound and creating a flow in and out of the bottle

The Bottle Carousel

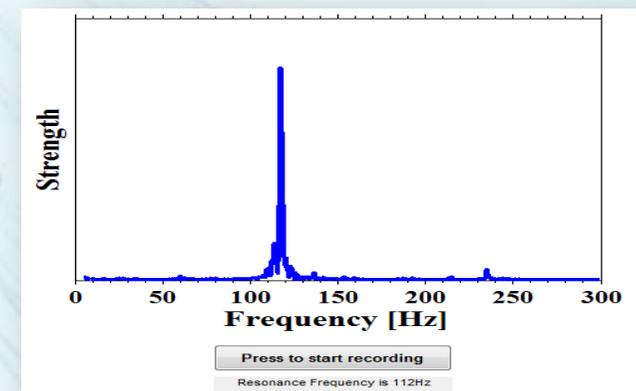
The Carousel

- A stick with length 50-70cm
- Rubber bands
- Two 1.5 L PET bottles
- Sound excitation (Loud Speaker)
- Thin thread



The Experiment

1. Determine resonance frequency of the bottle.



2. Set excitation of the loudspeaker to the resonance frequency
3. See what happens!