



440 Hz

Frequency # 1 + Frequency # 2: 

Interference

- What's the frequency?

Frequency # 1:  440 Hz

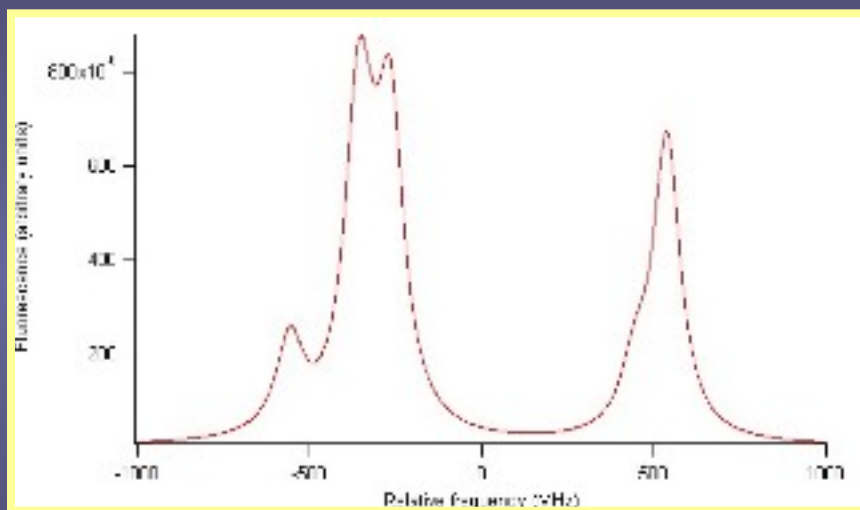
Frequency # 2: 

- If one frequency is known
→ **Interference** can give you the second

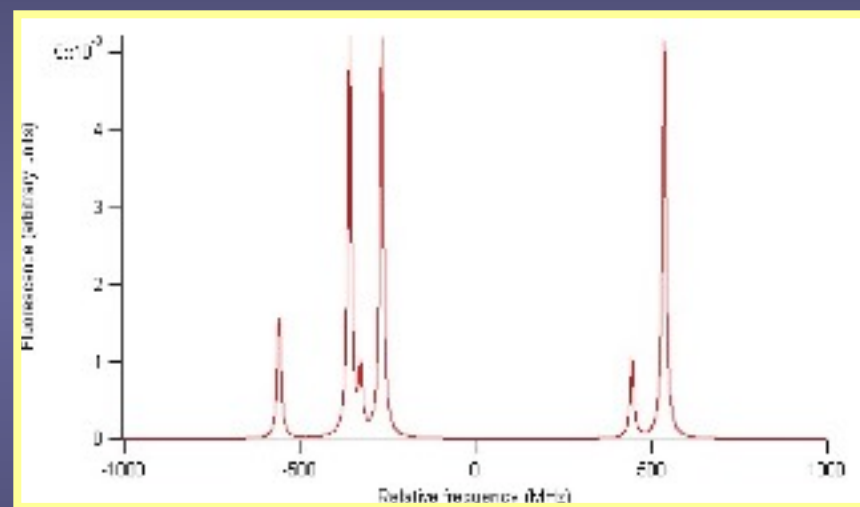
Frequency # 1 + Frequency # 2: 

- Frequency of **beat note** is difference of two frequencies
- Do the same thing with optical frequencies
Optical Frequencies Interfere → Radio Frequency Beat Note

How will the new nozzle improve the data?



Old nozzle: peaks
are less resolved



New nozzle: more
structure observed