









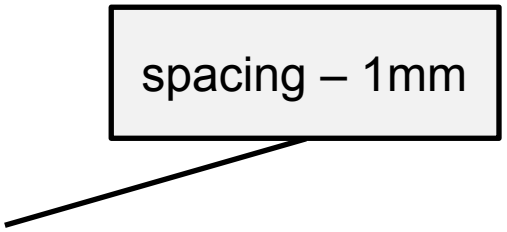


Offset – 1cm



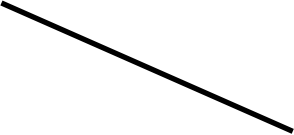
of ticks - 30

spacing – 1mm





Offset – frequency from
lowest mode to 0, f_0



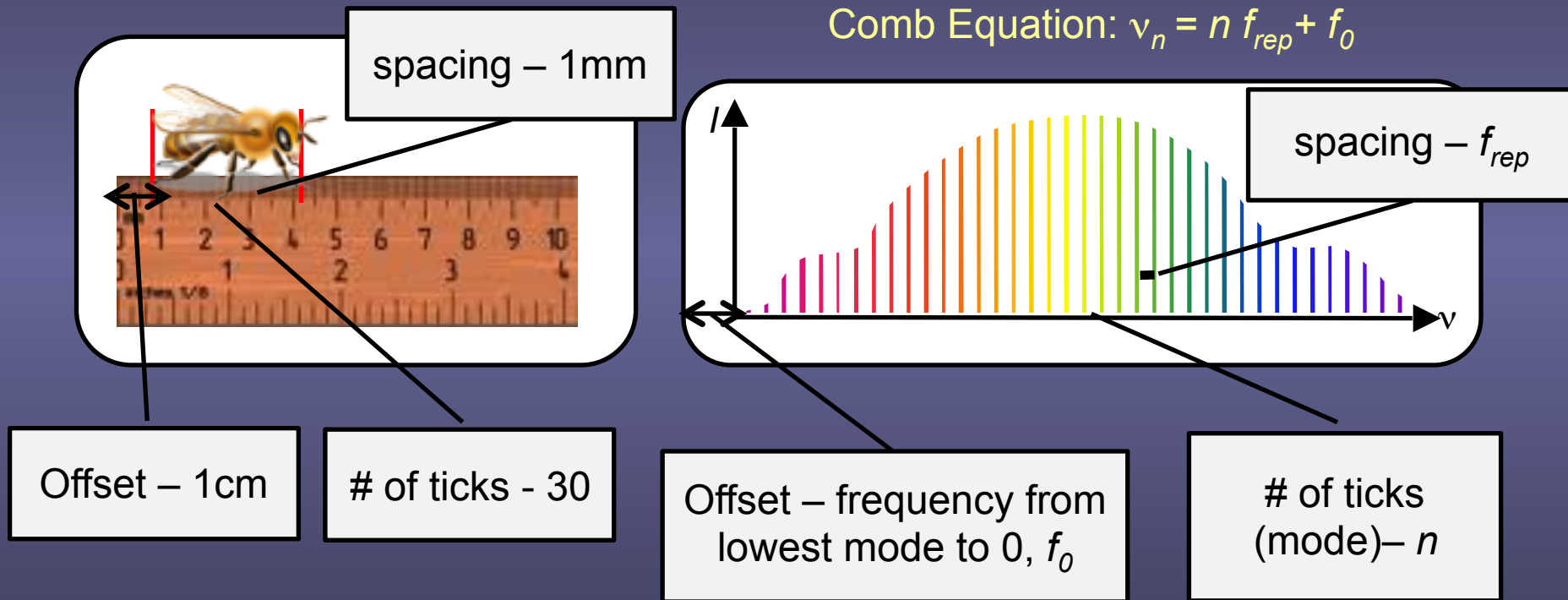
of ticks
(mode)– n

spacing – f_{rep}



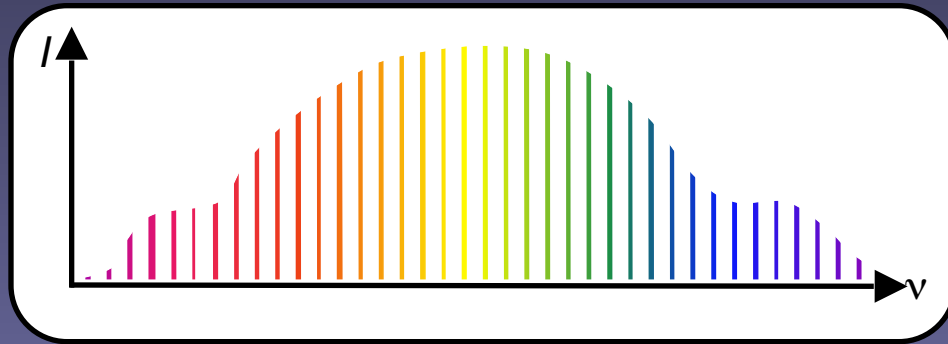
How do we use interference when dealing with optical frequencies?

- We make a “light ruler” – analogous to normal ruler



- By interfering different colors in the comb, we can produce radio frequencies that are slow enough to count

Frequency Comb



Frequencies
range from
visible to
infrared

