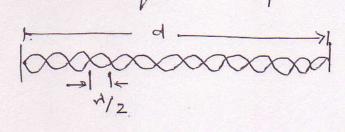
Lasers.

Here all the equations of Standing wars are same.



mirror spacing = d

Standing wave envelope length = 1/2

In a typical laser cavity, about 1 million half waves fit into the length of the Cavity.

$$d = m \left(\frac{1}{2}m\right) - (1)$$
. $m = mode \text{ order}$
 $\lim_{n \to \infty} \frac{1}{2} \log \left(\frac{10^5 - 10^6}{m}\right)$

$$2m = \frac{c}{Hm} = \frac{m}{2d}$$

The most important idea:

The light-emitted by the atoms in a laser tube is mono chromatic but Still it has a small spread. That is from $\lambda_1 \longrightarrow \lambda_2$. I vow all these λ_i which talk between λ_1 and λ_2 does not satisfy the foot equation. Only few of Them will satisfy them.— Those are the prequencies which will allowed. Let us see the example.

