1 Teorija

Lasershi izvor
$$\vec{E} = \vec{E}_0 \cos (k \cdot k - \omega t)$$

 $k_1 \cot j = k = \frac{\omega}{c_0} = \frac{2\pi}{\lambda}$.

$$\vec{E} = \vec{E}_1 + \vec{E}_2 = \frac{1}{2} \vec{E}_0 \left(\cos \left(k A_4 - \omega^{\dagger} \right) + \cos \left(k A_2 - \omega^{\dagger} \right) \right)$$

Intensite the suffice
$$I_{out} = \frac{1}{2} I_{in} (A + co, D\Phi) \rightarrow max, min, 0$$

Here is $\Delta \Phi = K(A - Bz)$

2 Rezultati

$$\lambda = 633 \, \text{um}$$

razmerje med pomikom in nastovitoro mikometrobes. vijam

Polpa pustuo

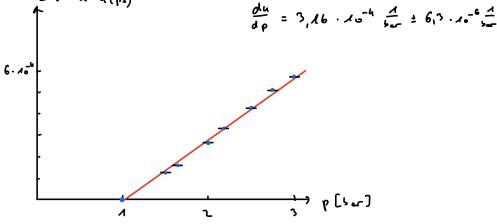
zrcale

Odvismost lomme ge hobênika zrem od zreemge tlahe

$$D_N = \frac{\Delta l}{2l_K} = \frac{N\lambda}{2l_K} = \frac{N \cdot 633 \cdot 10^{-9}}{2 \cdot 50 \cdot 10^{-7}}$$

u(p)=	h,	+	20	(p-p.)

p[bar]	n -1	
1,0	0	
1,50	1,26.1.4	
1,70	1,77.10-4	
2,00	2,32-26-4	
2,20	3,48.20-4	
2,50	4,30.20-4	
2,75	5,12.10-4	
3,00	5,86.10-4	



3 Ekridistanzum lega EK= 6,66 nm

Nagelo mentre teèle dolocino, sej je same mente selo subjetitime.

4 Koherenine dolzina

5 Doloziku val dolz. nojizrazitoj sih emi sijshih ert Na svakllu

Utripauja $I = \frac{I_0}{2} \left(A + cos \left(\frac{(k_1 + k_2)d}{2} \right) cos \left(\frac{(k_1 - k_4)d}{2} \right) \right)$ hito nihanja skupek

Pardalia med postedition d_2 ... $(k_4 - k_4) d_2 = \pi$ $\Rightarrow \Delta \lambda = \overline{\lambda}^2 / 2 d_2$ $\eta = \frac{N\overline{\lambda}}{2 l_k} \qquad \overline{\lambda} = \frac{2 l_u}{\eta N} = \frac{2 \cdot o_1 \lambda l_2}{5_1 \lambda 2 \cdot \lambda 00} = 582 \text{ nm} \pm 11 \text{ nm}$

 $b\lambda = \frac{\overline{\lambda}^{2} N}{2 d \iota} = \frac{(582 \cdot \lambda 6^{-3})^{2} \cdot 5_{1} \lambda 2 \cdot 9}{2 \cdot \lambda 3_{1} + 2 \cdot \lambda 6^{-3}} = 0.57 \text{ nm}$ $\Rightarrow \lambda_{12} = \overline{\lambda} \pm 6 \lambda \qquad \lambda_{1} = 582_{1} 5 \text{ nm}$ $\lambda_{2} = 58 \lambda_{1} 5 \text{ nm}$

Pejeuslu vædnosti so zuet rej nepeue meritve. (vor Willipedia)