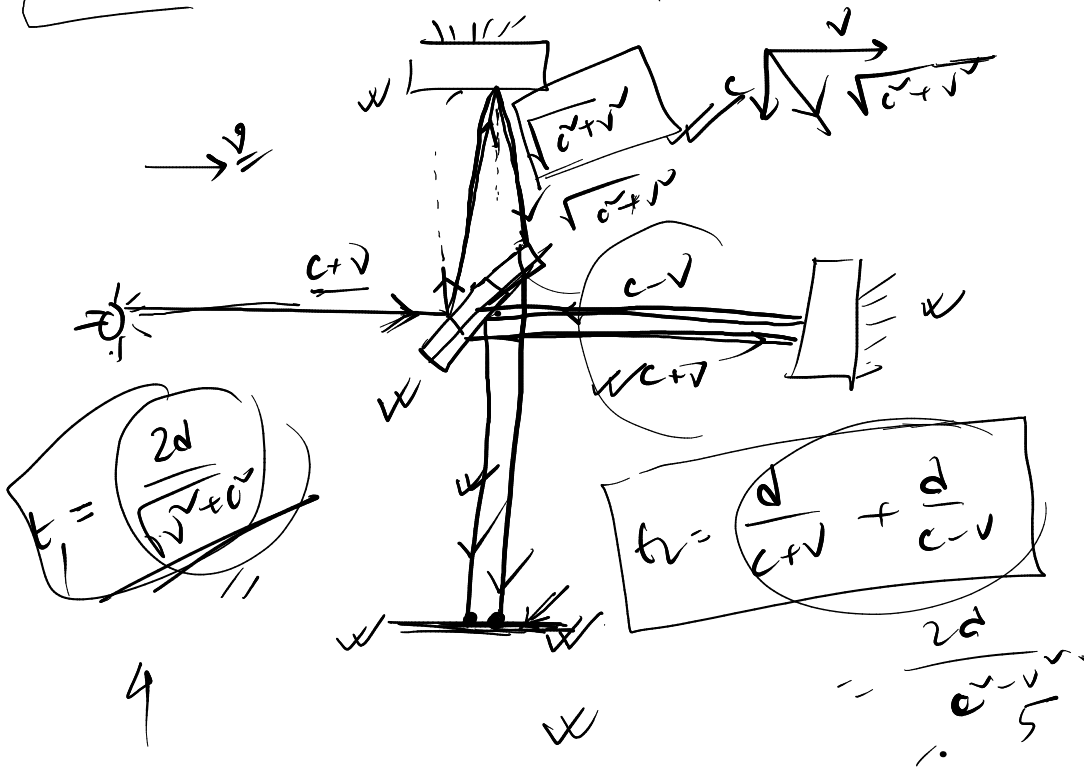
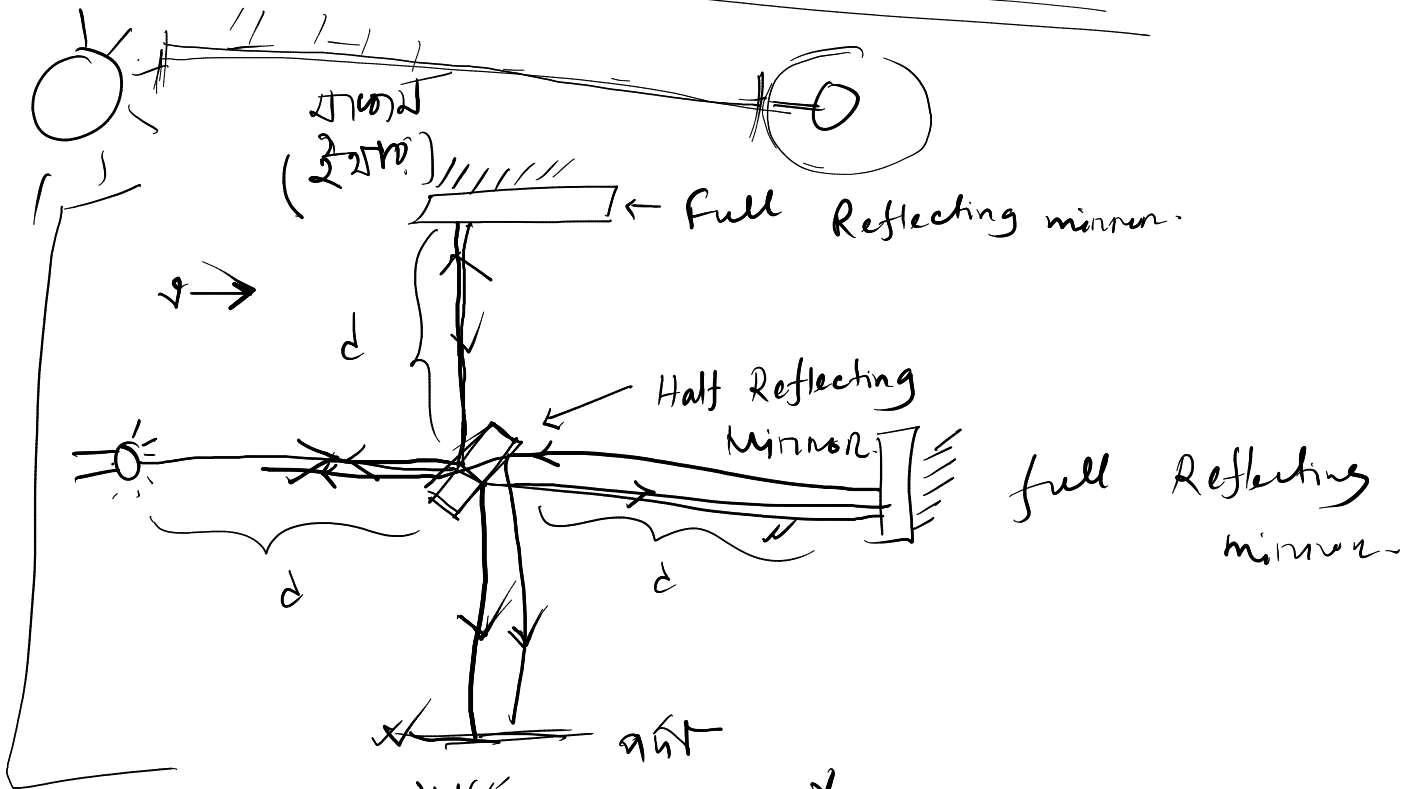
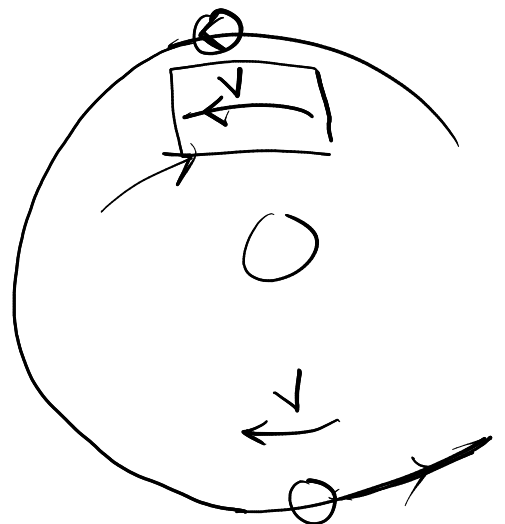
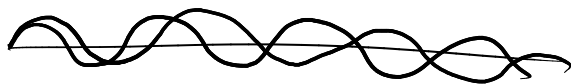


# Michelson-Morley experiment

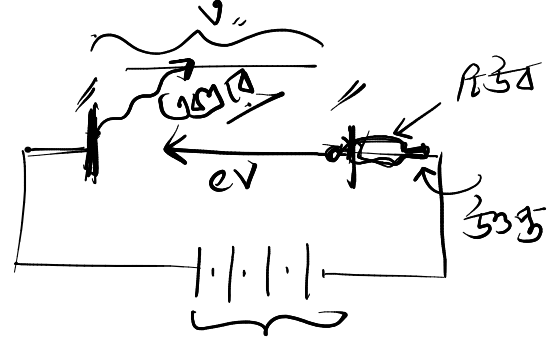


$$\sqrt{c^2 + v^2 + 2cv \cos 90^\circ} = \sqrt{c^2 + v^2}$$

$$t_2 = \frac{2d}{c^2 - v^2}$$



ଉଦା(4)



// ଏହା କାର୍ଯ୍ୟ ବି ମ. ମତ  
କାର୍ଯ୍ୟ ବିବରଣୀ ଦିଅ

$$\frac{1}{2}mv^2 = eV$$

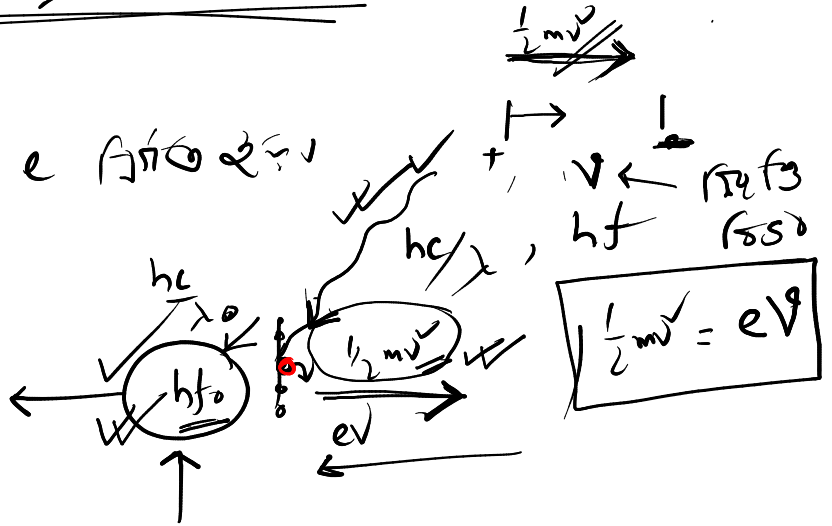
$$V_{max} = \sqrt{\frac{2eV}{m}}$$

## ଅବିଚ୍ଛିନ୍ନତା ତୀତ

// କାର୍ଯ୍ୟ କାର୍ଯ୍ୟ (hν) ଏ ବିବରଣୀ ଦିଅ

ଫୋଟୋ ଉଦ୍‌ଗମନ

minimum ଠାରୁ କାର୍ଯ୍ୟ  
କାର୍ଯ୍ୟ ବୃଦ୍ଧି କରାଯାଏ



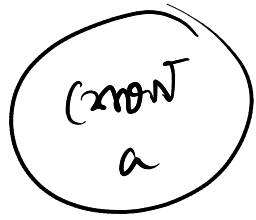
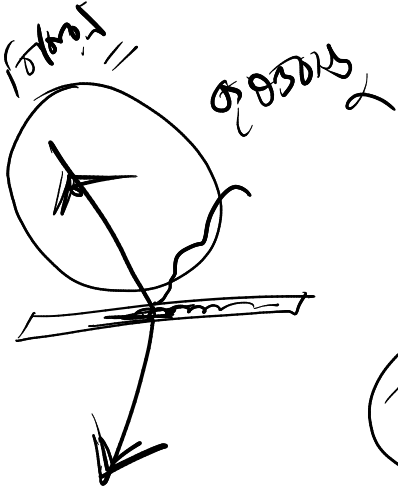
ଅବିଚ୍ଛିନ୍ନତା : minimum ଠାରୁ  
କାର୍ଯ୍ୟ କାର୍ଯ୍ୟ ଏବଂ  
କାର୍ଯ୍ୟ କାର୍ଯ୍ୟ ବୃଦ୍ଧି

λ0 ଫୋଟୋ ଉଦ୍‌ଗମନ  
maximum ଠାରୁ  
କାର୍ଯ୍ୟ କାର୍ଯ୍ୟ ବୃଦ୍ଧି କରାଯାଏ  
ଦିଅ

$$hf = hf_0 + \frac{1}{2}mv^2$$

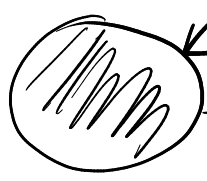
$$\frac{hc}{\lambda} = \frac{hc}{\lambda_0} + eV$$

$$= hf_0 + eV$$



ଅବଶିଷ୍ଟ  
r

ଅବଶିଷ୍ଟ  
t



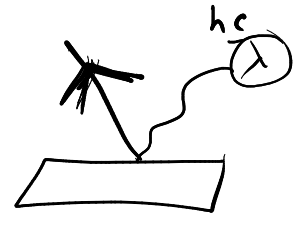
$a + r + t = 100\%$   
 $\underline{a + r + t = 1}$

$\sqrt{a = 100\% = 1}$   
 $r = 0\% = 0$   
 $t = 0\% = 0$

ଅବଶିଷ୍ଟ

ଅବଶିଷ୍ଟ

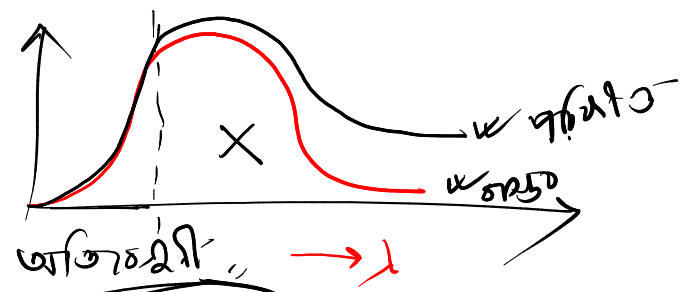
ଅବଶିଷ୍ଟ



✓ ଗାମ୍ଭୀର

$w/E \propto \lambda^{-4}$

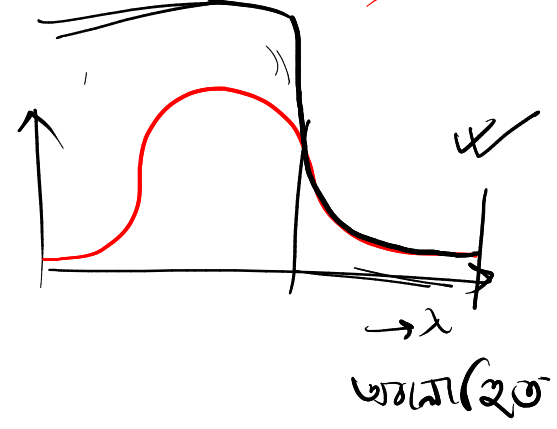
↑ E



ଅବଶିଷ୍ଟ

$E \propto \lambda^{-5}$

↑ E



$E = \frac{hc}{\lambda}$

