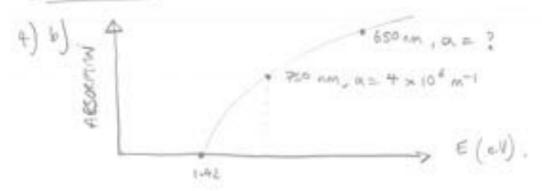
Lecture 14

LECTURE 14



ARSORPTION OF DOS.

CONVERT WANTS ... 500, 750 AM -> E (OV)

$$E_{950 \text{ min}} = \frac{6.624 \times 10^{-14} \times 3 \times 10^6}{750 \times 10^{-4} \times 10^{-4} \times 10^{-14}} = \frac{6.425 \times 3}{7.5 \times 16} \times 10^6$$

= 1-657 eU.

= 1.911 eV

SE FIRST OFFICENINE C FROM 750 AM DATA.

LECTUREIH

+) b) conto.

$$+ \times 10^6 = C \left(1.657 - 1.42 \right)^{\frac{1}{2}}$$

 $50 C = \frac{4 \times 10^6}{0.447} = 8.216 \times 10^6$

LECTURE 14

- 4) c) INCREASING TEMP CHANGES BAND-GAP 126?

 ANALISE DOS ERN DISCUSS
 - d) INSPECT EQUATIONS ... DISCASS.