Problema nº 4

a) à cual es la diferencia defase minima entre las fuentes?

$$I_p = I_0 \cos^2(\theta_2)$$

$$\frac{I_P}{I_0} = \log^2(\theta_2)$$

$$\emptyset = 2 \cdot \log^1(\frac{I_P}{I_0}) = 2 \cdot \log^1(0.64)^{\frac{1}{2}} = 1,29 \text{ rad}$$

b) Expresar & como una diferencia de caminos.

$$\frac{\emptyset}{2\pi} = \frac{\Delta \Gamma}{\lambda} \longrightarrow \Delta \Gamma = \frac{\lambda \emptyset}{2\pi} = \frac{1,29 \times 486,1 \times 10^9}{2\pi}$$

$$\Delta \Gamma = 9,98 \times 10^8 (m)$$

Problema nº 5

Problema m° 5

O° 180°
$$4$$
 $1 = (m + \frac{1}{2})\lambda$

Minimo

 $1 = (m + \frac{1}{2})\lambda$

Vidrio

 $1 = (m + \frac{1}{2})\lambda$
 $2 = (m + \frac{1}{2})\lambda$
 $3 = (m + \frac{1}{2})\lambda$

Para $m = 0$
 $3 = (m + \frac{1}{2})\lambda$
 $3 = (m$