Problema nº 5

RX de $\lambda = 0,14$ nm

MAX de orden 1 occurse para $\theta = 14/4^{\circ}$ d=? Expandion eight los planos de Mace $2d \sin \theta = m\lambda \implies d = \frac{m\lambda}{2 \times m\theta}$ $d=\frac{(1) \cdot 0,14/10^{\circ}}{2 \times m \cdot 14/4^{\circ}} = 2,81,10^{\circ} m = 2,81 \text{ Å}$ Armstrong = $1\text{ Å} = 110^{\circ} \text{ m}$

Problema no7

 $\lambda_{R} = 656 \text{ nm}$ $\lambda_{A} = 434 \text{ nm}$ $\lambda_{A} = 2.2 \times 10^{6} \text{ cm}$ $\lambda_{A} = 2.2 \times 10^{6} \text{ cm}$ $\lambda_{A} = 2.2 \times 10^{6} \text{ cm}$ $\lambda_{A} = 4.2 \times 10^{6} \text{ c$