

Unit cell paper. ($a=3.7\text{\AA}$, $b=3.8\text{\AA}$, $\gamma=91^\circ$)

Plot Bragg planes for $F(1\ 1\ 0)$, $F(1\ 2\ 0)$, $F(1\ 3\ 0)$

Measure d .

Calculate $\Theta = \sin^{-1}(n\lambda/2d)$, $n=1$, $\lambda=1.5\text{\AA}$

Plot s/λ , s_0/λ (use $1/\text{\AA}=5\text{cm}$, $\lambda=1.5\text{\AA}$). Subtract: $S = (s - s_0)/\lambda$.

Measure $|S|$. Convert to $1/\text{\AA}$ units= 5cm .

$|S|=1/d?$