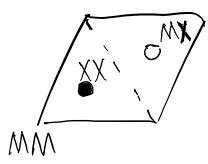
k - space K- valley WSe2 Mo Tez $\int \vec{k}_{b} = \frac{4\pi}{30_{M}} \left(-\frac{1}{2}, \frac{\sqrt{3}}{2} \right)$ $\vec{k}_{t} = \frac{4\pi}{30_{M}} \left(\frac{1}{2}, \frac{\sqrt{3}}{2} \right)$ $H = \begin{pmatrix} -\frac{\hbar^2(\vec{k} - \vec{k}_b)^2}{2m_b} + \Delta_b(\vec{r}) & \Delta_T(\vec{r}) \\ \Delta_T(\vec{r}) & -\frac{\hbar^2(\vec{k} - \vec{k}_t)^2}{2m_t} + \Delta_t(\vec{r}) \end{pmatrix}$ $\Delta_{b,t}(\vec{r}) = 2 V_{b,t} \sum_{j=1,3} \cos(\vec{g}_j \cdot \vec{r} + \psi_{b,t}) + V_{b,t}^{(0)}$ $\Delta_{T}(\vec{r}) = W(1 + e^{\frac{2\pi}{3}} e^{\frac{2\pi}{3}} \cdot \vec{g}, \vec{r})$ $+ e^{\frac{2\pi}{3}} e^{\frac{2\pi}{3}} \cdot \vec{g}, \vec{r}$

real-space



$$\Delta_{T}(\vec{r}) = \begin{cases} 0 & MM \\ 3W & XX \\ 0 & MX \end{cases}$$