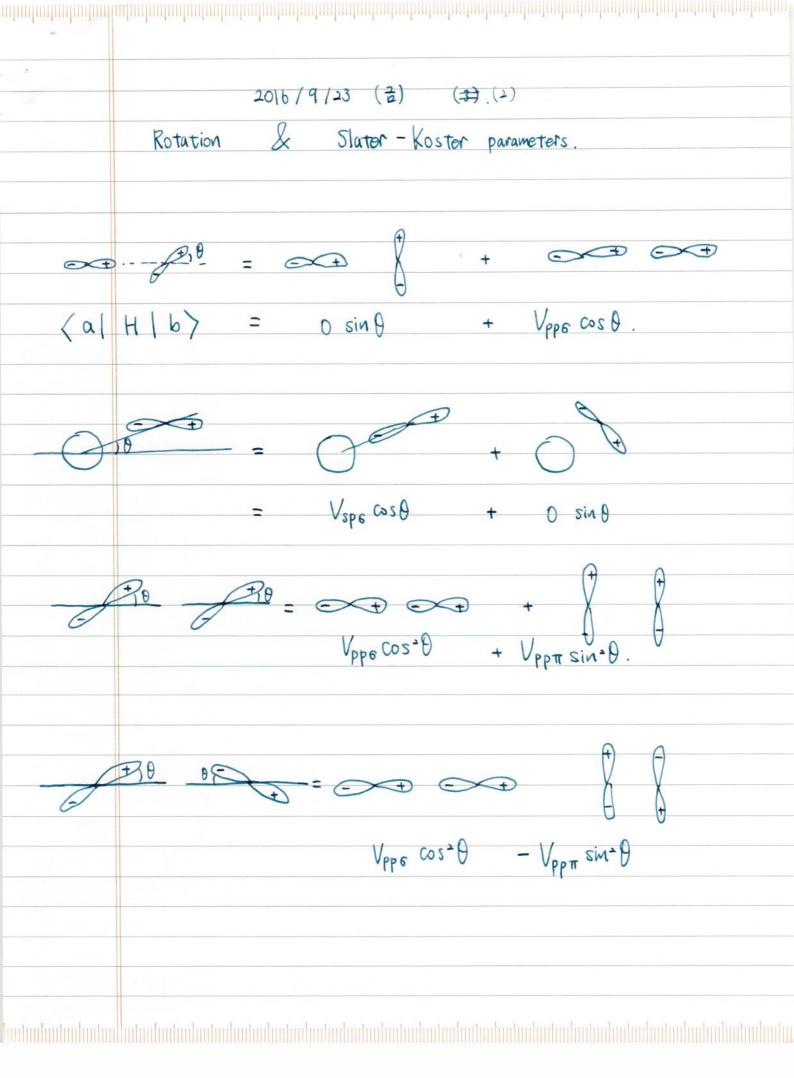
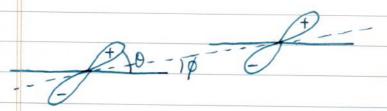
$$\left| J_z = \frac{1}{2} \right| = \frac{1}{\sqrt{3}} \left( \left| d_{yz} \right| \right) + i \left| d_{zx} \right| + \left| d_{xy} \right| \right)$$



 $2016 / 9 / 23 (\frac{2}{2}) (3)$ 



= 
$$V_{pp6} \cos(\theta - \phi) \cos(\theta + \phi) - V_{pp\pi} \sin(\theta - \phi) \sin(\theta + \phi)$$

check!  $\theta=0$ ,  $\phi=\frac{\pi}{2}$  should be  $V_{PP}\pi$ 

 $V_{PPE} \cos\left(-\frac{\pi}{2}\right) \cos\frac{\pi}{2} - V_{PP\pi} \sin\left(-\frac{\pi}{2}\right) \sin\frac{\pi}{2} = V_{PP\pi}$ 

