



$$P_0 = [P_{0x}, P_{0y}, P_{0z}]$$

$$\vec{n}_0 = [n_{0x}, n_{0y}, n_{0z}]$$

$$\vec{b}_0 = [b_{0x}, b_{0y}, b_{0z}]$$

$$V_0 = P_0 + d(\vec{n}_0 - \vec{b}_0)$$

$$V_1 = P_0 + d(\vec{n}_0 + \vec{b}_0)$$

$$V_2 = P_0 + d(-\vec{n}_0 + \vec{b}_0)$$

$$V_3 = P_0 + d(-\vec{n}_0 - \vec{b}_0)$$

Note that  $\vec{b}_0$  and  $\vec{n}_0$  are on the same plane as  $V_0, V_1, V_2, V_3$