



$$\begin{aligned}P_0 &= [P_{0x}, P_{0y}, P_{0z}] \\ \vec{n}_0 &= [n_{0x}, n_{0y}, n_{0z}] \\ \vec{b}_0 &= [b_{0x}, b_{0y}, b_{0z}]\end{aligned}$$

$$\begin{aligned}V_0 &= P_0 + d(-\vec{n}_0 + \vec{b}_0) \\ V_1 &= P_0 + d(\vec{n}_0 + \vec{b}_0) \\ V_2 &= P_0 + d(\vec{n}_0 - \vec{b}_0) \\ V_3 &= P_0 + d(-\vec{n}_0 - \vec{b}_0)\end{aligned}$$

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