



Ray (o, d) intersects plane (p, N) at point x ,
iff $\langle x - p, N \rangle = 0$

$$\langle x - p, N \rangle = 0$$

$$\langle td + o - p, N \rangle = 0$$

$$\langle td, N \rangle + \langle o - p, N \rangle = 0$$

$$t \langle d, N \rangle = -\langle o - p, N \rangle = 0$$

$$t = \frac{\langle p - o, N \rangle}{\langle d, N \rangle}$$

What if $\langle d, N \rangle = 0$?