



$$X = [x, y, z] = A + t\vec{u} + s\vec{v}$$

$$\rho: x = a_1 + tu_1 + sv_1$$

$$y = a_2 + tu_2 + sv_2$$

$$z = a_3 + tu_3 + sv_3, \quad t, s \in \mathbb{R}$$

$$\vec{n} \cdot (X - A) = 0, \quad \vec{n} \perp \rho$$

\vec{n} ... normálový vektor roviny

$$\vec{n} = (a, b, c), \quad X = [x, y, z]$$

$$\rho: ax + by + cz + d = 0$$