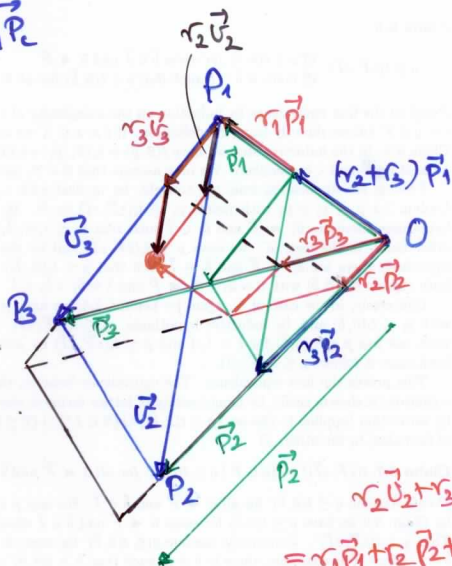


$$P_i = \vec{p}_i + 0$$

$$\vec{u}_i = P_1 P_i$$



$$r_2\vec{u}_2 + r_3\vec{u}_3 + \vec{p}_1 = r_1\vec{p}_1 + r_2\vec{p}_2 + r_3\vec{p}_3 + 0$$

$$0 \leq r_i$$

$$r_2 + r_3 \leq 1$$

$$r_1 + r_2 + r_3 = 1$$