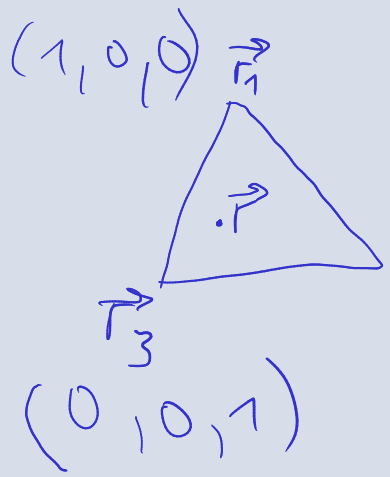

$$\vec{r} = t_1 \vec{r}_1 + t_2 \vec{r}_2 + t_3 \vec{r}_3$$

$$(t_1, t_2, t_3)$$

$$\begin{bmatrix} 1 & 1 & 1 \\ x_1 & x_2 & x_3 \\ y_1 & y_2 & y_3 \end{bmatrix} \begin{bmatrix} t_1 \\ t_2 \\ t_3 \end{bmatrix} = \begin{bmatrix} 1 \\ x \\ y \end{bmatrix}$$

$$t_3 = 1 - t_1 - t_2$$

$z_1 \quad z_2 \quad z_3 \qquad t_4 \qquad z$

$$\begin{bmatrix} 1 \\ x_4 \\ y_4 \\ z_4 \end{bmatrix}$$

$$f(\vec{r}) = t_1 f(\vec{r}_1) + t_2 f(\vec{r}_2) + t_3 f(\vec{r}_3)$$

2) N соседей

$$f(\vec{x}) \approx \sum_{i=1}^{N} w(\vec{x}_i) f(\vec{x}_i)$$

$$w(\vec{x}_i) = |\vec{x} - \vec{x}_i|^{-p}$$

3) Радиально – баз. фо

$$f(\vec{x}) \approx \sum_{i=1}^{N} w_i \varphi(|x - \vec{x}_i|)$$