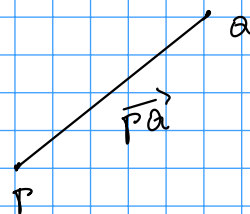


Proposizione $(V, A, \pi) \quad P, a \in A \quad \overrightarrow{Pa}$

$$\phi_{\mathcal{B}}(\overrightarrow{Pa}) = (y_1, \dots, y_m) - (x_1, \dots, x_m)$$



ovvero $P \equiv_{\mathcal{R}} (x_1, \dots, x_m) \quad \text{e} \quad Q \equiv_{\mathcal{R}} (y_1, \dots, y_m)$

Dim

$$\overrightarrow{Pa} = \overrightarrow{Po} + \overrightarrow{Oa} = \overrightarrow{Oa} + (-\overrightarrow{Op})$$

\nearrow
 P o a

$$\phi_{\mathcal{B}}(\overrightarrow{Pa}) = \phi_{\mathcal{B}}(\overrightarrow{Oa} + (-\overrightarrow{Op})) = \phi_{\mathcal{B}}(\overrightarrow{Oa}) - \phi_{\mathcal{B}}(\overrightarrow{Op})$$

Esempio: $\dim V = 2$, $\mathcal{B} = (o, B)$, $\mathcal{B} = (e_1, e_2)$, $o \in A$

$$P \equiv_{\mathcal{R}} (2, 1) \quad , \quad Q \equiv_{\mathcal{R}} (3, -2) \quad , \quad \phi_{\mathcal{B}}(\overrightarrow{Pa}) = (1, -3)$$

$$Q \equiv_{\mathcal{B}} (-3, 5)$$

$$\text{ossia } \overrightarrow{Pa} = 1 \cdot e_1 + (-3) e_2$$

$$P + Q = Q: \quad a = \overrightarrow{Pa}$$

$$Q \equiv_{\mathcal{R}} (2, 1) + (-3, 5) = (-1, 6)$$

Esempio:

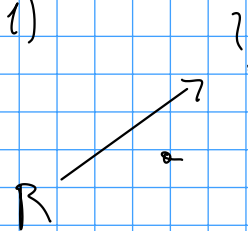
$$\dim V = 3$$

$$\mathcal{B} = (o, \mathcal{B} = (e_1, e_2, e_3)) \quad o \in A$$

$$R \equiv_Q (1, 0, 3)$$

$$T \equiv_R (2, 1, -1)$$

$$\overrightarrow{RT} \equiv_S (1, 1, -4)$$



$$\theta \equiv_S (2, 1, -2) \in V$$

$$R + \theta = Q \equiv_R (1, 0, 3) + (2, 1, -2) = (3, 1, 1)$$