



attention
$$U = W_1 + W_2$$

Alberta

 $dist(A_1, A_2) = \|P_0 \perp (P_1 - P_2)\|$

ESERCIZIO: $dist(A_1, A_2)$ in R_1^4 respect to all $p. 1.4$.

 $A_1 = \begin{pmatrix} 1 \\ 0 \\ 0 \end{pmatrix} + 2 \begin{pmatrix} 1 \\ 0 \\ 1 \end{pmatrix}$
 $A_2 = \begin{pmatrix} -1 \\ 0 \\ 0 \end{pmatrix} + 2 \begin{pmatrix} 1 \\ 0 \\ 1 \end{pmatrix}$
 $dim(U) = 3$
 $U = W_1 + W_2 = 2 \begin{pmatrix} 1 \\ 0 \\ 1 \end{pmatrix} \begin{pmatrix} 1 \\ 0 \\ 1 \end{pmatrix} \begin{pmatrix} 1 \\ 0 \\ 1 \end{pmatrix} \begin{pmatrix} 1 \\ 0 \\ 1 \end{pmatrix}$
 $dim(U) = 3$
 $U = Ker(A_1 + A_2) = A_1 + A_2 + A_3$
 $Gamma = A_1 + A_2 + A_3$
 $Gamma = A_2 + A_3$
 $Gamma = A_3 + A_4$
 $Gamma = A_4 + A_5$
 $Gamma = A_4 + A_5$
 $Gamma = A_5 + A_5$
 $Gamma = A_$