

Si $\dim E < \infty$

$$F \cap G = \{0_E\}$$

$$\text{et } \dim E = \dim F + \dim G$$

$$E = F + G$$

$$\text{et } \dim E = \dim F + \dim G$$

Si B_1 base de F

B_2 " de G

alors $B = B_1 \cup B_2$ base de E

$$E = F \oplus G$$

$$E = F + G$$

$$\forall x \in E, \exists! x_1 \in F, x_2 \in G$$

$$x = x_1 + x_2$$

$$\text{et } F \cap G = \{0_E\}$$

$$\forall x \in E \exists! x_1 \in F, x_2 \in G$$

$$\text{t.q. } x = x_1 + x_2$$

