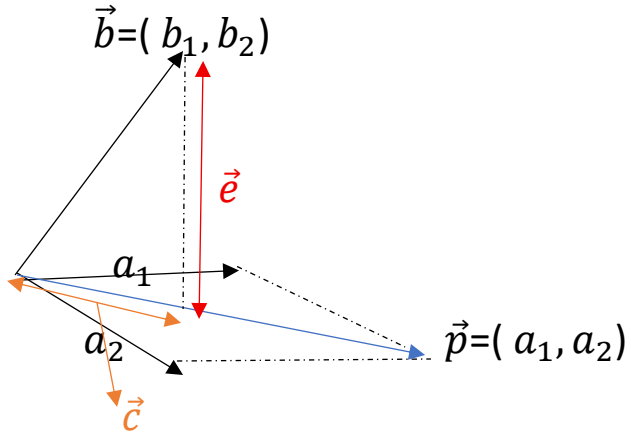
STUDY ON VECTORS:



$a_1 \perp a_2$

$\vec{p}$= n. $\vec{c}$ where $0 \neq n \geq 1$ $\vec{b}$-$\vec{c}$ =$\vec{e}$ $\vec{e}.\vec{p}=0$

(b_1- c_1, b_2- c_2) =$\vec{e}$ $\vec{p}$=(n. c_1, n. c_2)

(b_1- c_1). n. c_1+ (b_2- c_2). n. c_2=0 $n \neq 0$, therefore:

$c_1 . b_1 - c_1^2 = c_2^2 - c_2 . b_2$