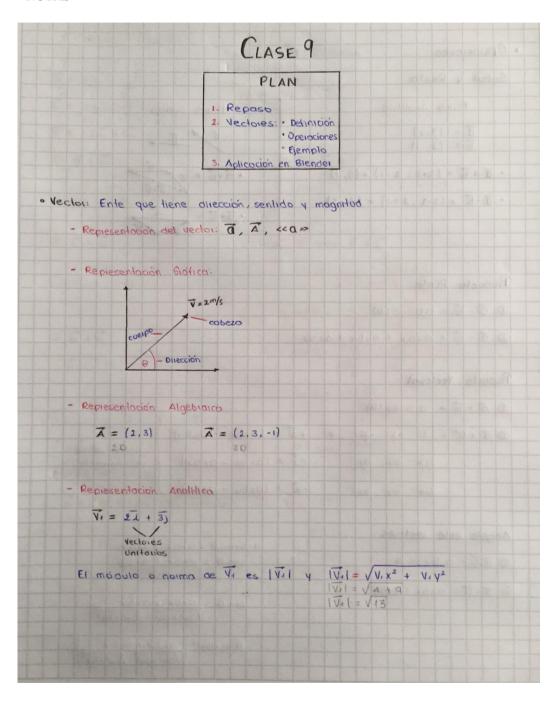


UNIVERSIDAD POLITÉCNICA SALESIANA DISEÑO MULTIMEDIA

NOTAS





UNIVERSIDAD POLITÉCNICA SALESIANA DISEÑO MULTIMEDIA

Suma y Resta		MAJA
Forma Analitic		Forma Giática
$\vec{0} = (3,2)$ $\vec{b} = (2,-1)$	T distant	3 × 5
· a + b = (3+2, 2.	-1) = (5, 1)	0
· d - b = (3-1,2+-	1) = (4,3)	• 0-6 = -6
Producto Ponto		
0 0 · b = 0bcos	(8)	44.7
2 0 . b = axbx	+ auby + azbz	
Producto Vectorial		
Moducto Vectorial	(6)	
		L = (0462 - 0264)
Oāxā = abser		$\vec{L} = (a_1b_2 - a_2b_4)$ $\vec{J} = (a_xb_z - a_zb_x)$ (Glaulo de on determinante
$0 \overrightarrow{a} \times \overrightarrow{b} = a b s e_1$ $0 \overrightarrow{a} \times \overrightarrow{b} = a b s e_1$		Cálculo de on
$0 \overrightarrow{a} \times \overrightarrow{b} = abset$	1 02 +	j = (axbz - azbx) (cálculo de on determinante
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1 02 +	$j = (a \times bz - azb \times)$ Cálculo de on determinante $K = (a \times by - aybx)$ $a \cdot b \cos \theta = axbx + ayby$
$0 \overrightarrow{a} \times \overrightarrow{b} = abset$ $0 \overrightarrow{a} \times \overrightarrow{b} = abset$ $0 \times \overrightarrow{a} \times \overrightarrow{b} \times \overrightarrow{b}$	1 02 +	$j = (a \times bz - azb \times)$ $j = (a \times bz - azb \times)$ $k = (a \times by - ayb \times)$ $a \cdot b \cos \theta = a \times bx + ayby$ $\cos \theta = a \times bx + ayby$
0 $\vec{a} \times \vec{b} = a b sections$ Angulo enthe vectors $\vec{a} \times \vec{b} = a \cdot b \cos \theta$		$j = (a \times bz - azb \times)$ $j = (a \times bz - azb \times)$ $0 \cdot bcos \theta = axb \times + ayb \times$ $cos \theta = axb \times + ayb \times$ $a \cdot b$
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		$j = (a \times bz - azb \times)$ $j = (a \times bz - azb \times)$ $k = (a \times by - ayb \times)$ $a \cdot b \cos \theta = a \times bx + ayby$ $\cos \theta = a \times bx + ayby$