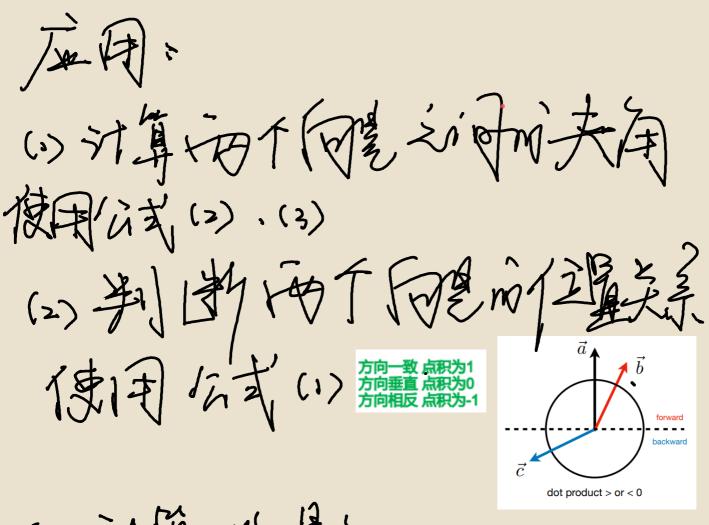
/.
$$(1)$$
 (2) :

(1) (2) :

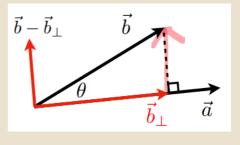
(1) (3) (2) (3) (2) (3) (3) (4) (4) (3) (4) (4) (4) (5) (4) (5) (4) (5) (4) (5) (6) (7) $($

$$b \to a = p = \frac{a \cdot b}{|a|} \frac{a}{|a|} = \frac{a \cdot b}{a \cdot a} a$$

a的单位长度乘以投影的模长



的消费的独自公司的





叉积结果与两向量互相垂直

(1)
$$\overrightarrow{a} \times \overrightarrow{b} = -\overrightarrow{b} \times \overrightarrow{a}$$

(2) $||\overrightarrow{a} \times \overrightarrow{b}|| = ||\overrightarrow{a}|| \cdot ||\overrightarrow{b}|| \cdot sind$

(3)
$$\vec{a} \times \vec{a} = \vec{b}$$

sin0=0,两向量夹角为0

$$(4)\overrightarrow{a}\times(k\overrightarrow{b})=k(\overrightarrow{a}\times\overrightarrow{b})$$

(1) 获得坐标轴朝向

$$\vec{x} \times \vec{y} = +\vec{z}$$

$$\vec{y} \times \vec{x} = -\vec{z}$$

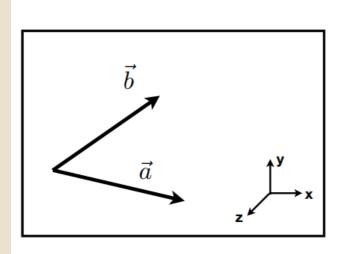
$$\vec{y} \times \vec{z} = +\vec{x}$$

$$\vec{z} \times \vec{y} = -\vec{x}$$

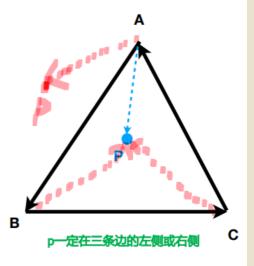
$$\vec{z} \times \vec{x} = +\vec{y}$$

$$\vec{x} \times \vec{z} = -\vec{y}$$

的新雄花花子物







的分解向彭

· Any set of 3 vectors (in 3D) that

