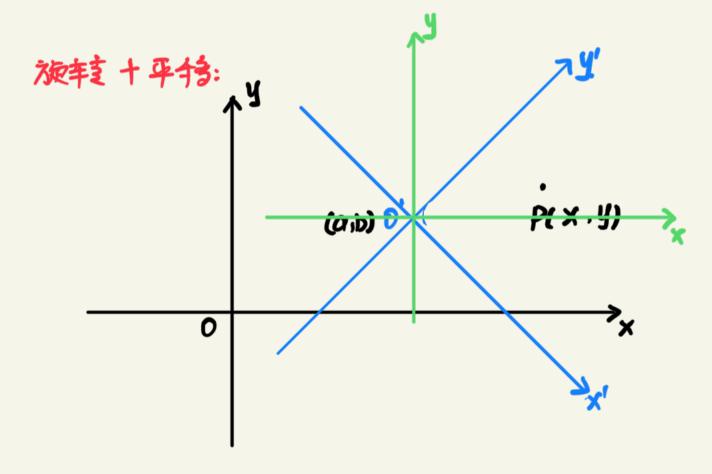


辞字:
$$O\alpha = y \cdot sin\theta$$
 $Ox' = xOcs \Theta$
 $x' = O\alpha + ox' = x Cos \Theta + y sinO$
 $y' = Oy - by = y Cos \Theta - x sin \Theta$



新坐标录 0'在原坐标录坐标为(a)b)
P 在原坐标录坐标为(x)y)
P 在新坐标录坐标为(x',y')
X'= (x-a)coso + (y-b)sino
y'' = (y-b)coso - (x-a)sino

推导: 绿色为中间态 ,先由原丛系平移得到经验丛标系

$$P: (x,y) = (x-q,y-b)$$

再由绿色坐标系独转得到蓝色坐标系

$$P: (x \cdot y) = (x \cos \theta + y \sin \theta, y \cos \theta - x \sin \theta)$$
$$= ((x - \alpha) \cos \theta + (y - b) \sin \theta, (y - b) \cos \theta - (x - \alpha) \sin \theta)$$