录数5-2

P.231.1 是出点从, 天, 分别到到发力、火焰力、天气力、火焰,加入一场。

$$(x,0,2)$$

$$(x,0,0)$$

$$(x,y,0)$$

$$(x,y,0)$$

$$(x,y,0)$$

$$d_{\chi} = \sqrt{(x-x)^{2} + (y-y)^{2} + (z-v)^{2}} = \sqrt{y^{2} + z^{2}}$$

$$d_{\chi} = \sqrt{(x-v)^{2} + (y-y)^{2} + (z-v)^{2}} = \sqrt{x^{2} + z^{2}}$$

$$d_{z} = \sqrt{(x-v)^{2} + (y-v)^{2} + (z-z)^{2}} = \sqrt{x^{2} + y^{2}}$$

$$d_{z} = \sqrt{z^{2} + (y-v)^{2} + (z-z)^{2}} = \sqrt{x^{2} + y^{2}}$$

$$d_{xy} = |z|, \quad d_{xy} = |x|, \quad d_{xy} = |x|, \quad d_{xy} = \sqrt{x^{2} + y^{2} + z^{2}}$$

P.229.2. 改加之后. A(-1,2,1)、B(3,0,1)、C(2,1,2) 成丽,丽,成成如生籽与模。

 $\overrightarrow{AB} = (4, -2, 0), \overrightarrow{AC} = (3, -1, 1), \overrightarrow{BA} = (-4, 2, 0), \overrightarrow{BC} = (-1, 1, 1)$ $|\overrightarrow{AB}| = |\overrightarrow{BA}| = \sqrt{4^{2} + (-2)^{2} + 0} = \sqrt{2\nu} = 2\sqrt{5}.$ $|\overrightarrow{AC}| = \sqrt{3^{2} + (-1)^{2} + 1^{2}} = \sqrt{11}, |\overrightarrow{BC}| = \sqrt{(+)^{2} + 1^{2} + 1} = \sqrt{3}.$

 $\frac{p.229.3}{\cancel{12}} \stackrel{?}{\cancel{12}} \stackrel{?}{\cancel{12}} \stackrel{?}{\cancel{12}} = (3, -2, 2) \qquad \stackrel{?}{\cancel{12}} = (1, 3, 2), \quad \stackrel{?}{\cancel{12}} = (8, 6, -2)$ $\cancel{12} \stackrel{?}{\cancel{12}} \stackrel{?}{\cancel{12}} \stackrel{?}{\cancel{12}} = (9, -6, 6) + (-2, -6, -4) + (4, 3, -1) = (11, -9, 1).$

P.229.4. 设在=(2,5,1), 1=(1,-2,7) 房水在5万分的购到证量, 开本学数尺,使何量 ba+15 5 XOy平面分子。

解: $\vec{a}^{\circ} = \frac{\vec{a}}{|\vec{a}|} = \frac{(2,5,1)}{\sqrt{2^{2}+j^{2}+1}} = \frac{1}{j_{30}}(2,5,1)$ $\vec{b}^{\circ} = \frac{\vec{b}}{|\vec{b}|} = \frac{(1,-2,7)}{\sqrt{1^{2}+(-2)^{2}+7^{2}}} = \frac{1}{3j_{6}}(1,-2,7)$ $k\vec{a} + \vec{b} = (2k) \cdot 5k, \ k) + (1,-2,7) = (2k+1,5k-2,k+7)$ 要使 $k\vec{a} + \vec{b} \mid Oxy\vec{a}$, y : k+7 = 0, k=-7.