2011/2-112.

 $\vec{A}_{1}^{2}: \vec{A}^{0} = \frac{\vec{A}}{|\vec{A}|} = \frac{(x, y, \xi)}{\sqrt{2}} = (\frac{x}{\sqrt{2}}, \frac{y}{\sqrt{2}}, \frac{\xi}{\sqrt{2}}) = (GA, GB, GAY)$   $GA = \frac{x}{\sqrt{2}}, GB = \frac{y}{\sqrt{2}}, GAY = \frac{\xi}{\sqrt{2}}$ 

 $\chi d = \beta$ ,  $\gamma = 2d$ ,  $\chi = 2d + c^{2}\lambda + c^{2}\lambda + c^{2}\lambda = 1 \Rightarrow \frac{\gamma^{2}}{2} + \frac{\gamma^{2}}{2} + (\chi^{2} - 1)^{2} = 1$  $\chi = \beta$ ,  $\chi = 2d$ ,  $\chi =$ 

 $\chi^{2} + (\chi^{2} - 1)^{2} = 1 \implies \chi^{2} + \chi^{4} - 2\chi^{2} + 1 = 1$   $c_{0} \gamma = \frac{t}{\sqrt{2}} = \chi^{2} - 1, \quad \xi = \sqrt{2}(\chi^{2} - 1) \qquad \qquad \chi^{4} - \chi^{2} = 0, \quad \chi^{2}(\chi^{2} - 1) = 0$   $\vec{\alpha} = (0, 0, -\sqrt{2}) \implies \vec{\alpha} = (1, 1, 0) \qquad \qquad \chi = 0, \quad \chi = \pm 1.$ 

P.230.16 没在≠0, 方≠0, 且 (7在-5万)(在+3克), (在-4万)」(7在-2克) 水の(在, 克>.

辑: 由题意:  $(7\vec{a}-5\vec{b})\cdot(\vec{a}+3\vec{b})=0$ ( $\vec{a}-4\vec{b}$ )·( $7\vec{a}-2\vec{b}$ )=0

 $0 - 0 \qquad -23|\vec{b}|^2 + 46\vec{a} \cdot \vec{b} = 0 \qquad 2\vec{a} \cdot \vec{b} = |\vec{b}|^2 \cdots \cdots 0$ 

 $32\lambda0 \quad 7|\vec{a}|^2 - 15|\vec{b}|^2 + 8|\vec{b}|^2 = 0 \quad 27 |\vec{a}| = |\vec{b}|$   $65 < \vec{a}, \vec{b} > = \frac{\vec{a} \cdot \vec{b}}{|\vec{a}| |\vec{b}|} = \frac{\vec{a} \cdot \vec{b}}{2\vec{a} \cdot \vec{b}} = \frac{1}{2}.$