

$$-\bar{a}\times\bar{b}=0$$

$$\begin{cases} a,b=0\\ 3im\Theta=0\Rightarrow \Theta=0, \exists \overline{b} = 0 \end{cases}$$

$$-\overline{U}\lambda \times \overline{U}_{j} = \begin{cases} 0 & \lambda = j \\ \pm \overline{U} \lambda & \lambda \neq j \end{cases}$$

$$\dot{c} = \dot{a} \times \dot{b} = (a_{x} \dot{v}_{x} + a_{y} \dot{v}_{y} + a_{z} \dot{v}_{z}) \times (b_{x} \dot{v}_{x} + b_{y} \dot{v}_{y} + b_{z} \dot{v}_{z}) = 
= a_{x} b_{y} \dot{v}_{z} + a_{x} b_{z} (-\dot{v}_{y}) + a_{y} b_{x} (-\dot{v}_{z}) + a_{y} b_{z} \ddot{v}_{x} + 
+ a_{z} b_{x} \dot{v}_{y} + a_{z} b_{y} (-\dot{v}_{x}) = 
\times y + a_{z} b_{y} \dot{v}_{z} + a_{z} b_{y} (-\dot{v}_{x}) =$$

= 
$$(ayb_2 - a_2b_y)\bar{u}_x + (a_2b_x - a_xb_z)\bar{u}_y + (a_xb_y - a_yb_x)\bar{u}_z =$$

$$|\bar{u}_x - \bar{u}_y|$$

$$a \times b = c$$